

UNIVERSITY OF CALIFORNIA MUSEUM OF VERTERRATE ZOOLOGY

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- 18 - 18 - 18 - 18 - 18 - 18 - 18 - 18	
그러지 않는데 그리고 가장이 그는 어때가는 다 하는데 그녀가 중요한 얼굴하다면 되었다.	
그 그는 이번 그리는 그리는 이번 사람들이 되었다면 하는 것이 없다면 하는 것이 없다.	
교사 없는 그 사람들이 되는 사람들이 가장 하는 그 사람들이 가지 않는데 되었다. 그렇게 살았다.	
그는 그러워 하는 것이 되어도 하는 아들이 들어가지 않는 것은 사람이 하는 사람이 되는 것이 없다.	
그리는 그들은 사람들은 가는 사람들이 하면 되었다. 그렇게 되는 사람들은 사람들이 되었다. 나를 걸	
하는 것은 그는 점에 가지하다고 말하는 것이라고 하는데 있다. 이 사람들은 사람이 있는데 가능	
그는 그 이 집 그는 그리는 네는 네트를 하는 것이 되는 것이 바다를 하는 것이 되었다면 한다고 말했다.	
그 사람들이 얼마나 이렇게 얼마나 있다. 그 얼마나 나는 이 얼마나 얼마나 얼마나 없다.	
그렇게 되었다. 그 그의 역시 어느린 시간 때는 역도 하셨다며, 요즘은 이시에 가면 없었다.	
그렇게 하는 이 집에 가는 사람들이 되어 하는 것 같아 되는 것이 하는 것 같아 없었다.	
경기가 되었다. 그런 그는 그 사람들은 수 가는 바람이 나를 가는 모양하는 것이 되었다. 사람은	
는 그 이번 사람들은 그리는 경기 가지를 하는 생각이 있는 그렇게 되는 속 생각하지 않아니까?	
그 모든 그 가게 하는 사람은 사람들이 되었다. 그런 지원에 가장 하지만 하지만 하는 생각을 하다고	4
그렇게 되어 이 점점을 하기를 받았다. 그렇게 그런 바다의 하는 하나라면서 하셨다.	
물어 나는 그 이번 일반을 하는 이번 가는 그런 가장을 다시면 깨끗해 다른 살아.	
이 하는 그는 그 바쁜 아는 어디 가장 되어 가는 이 없는 것은 이렇게 됐다. 그는 어떻게 되었다.	
	484
그리고 있다. 이 그는 그는 그리고 있다고 있다면 하는 그 사람들은 사람들이 되었다.	

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Aldrich, E.C.. 1937-1938

General Index (for specific localities su each page)

San Mateo Co. and Marin Co., Calif. Catalog: Specimen Noz. 259 - 296 General Comments

Photographic record Nos. 37-4 To 37-8

Providence Into., San Bernardino E., Calif.

May 13 To June 2, 1938

Catalog of specimens: Nos. 450-461

Photographic record Nov. 38-63 to 38-300

General Comments

Species accounte (check-list order)

Section 1 march 20-21,1937

18pp.

Section 2

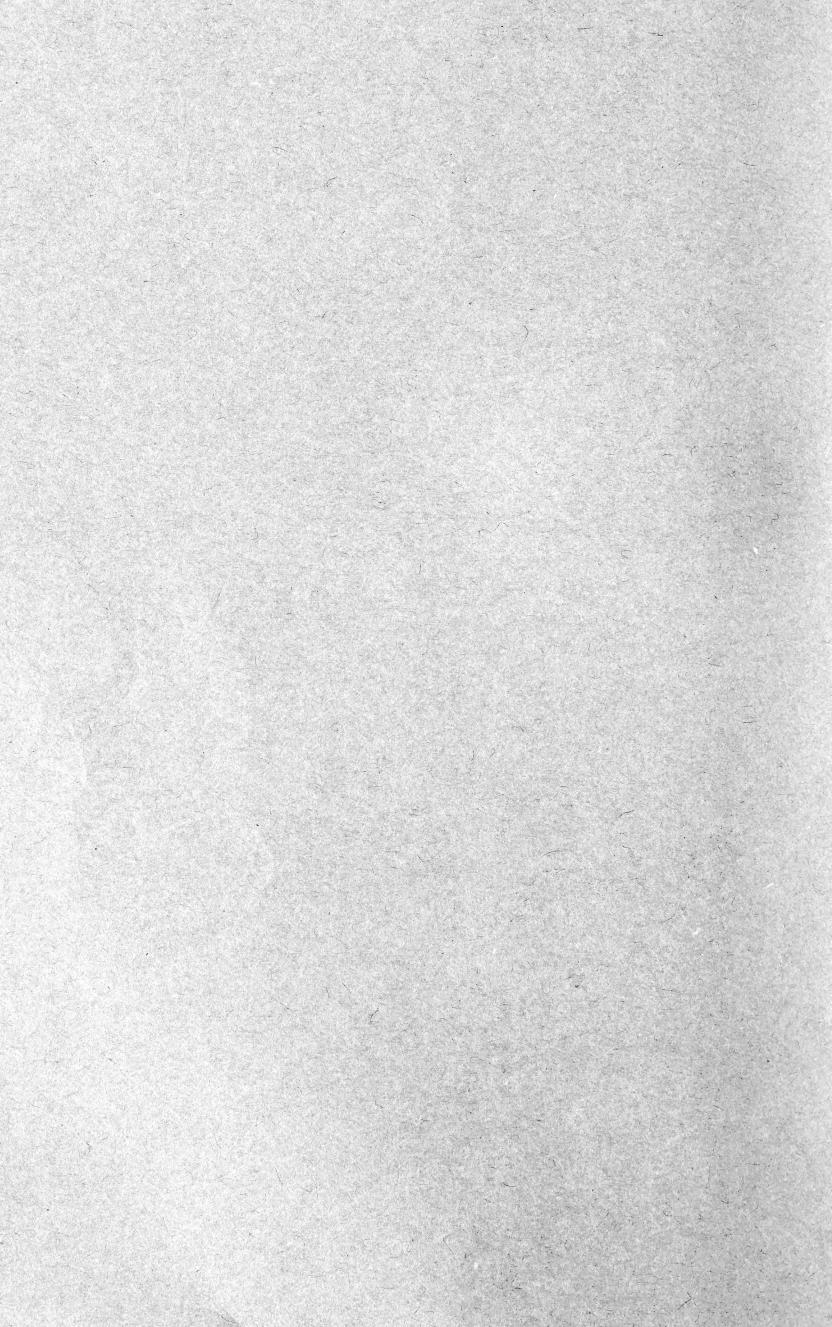
98 on

98 pp.

. 10

Section 1 Oil-soaked water birds

Aldrich, E.C.
Sau mater Co., Marine Co., Calif.
Inarch 20, 21, 1937



?. C. Aldrick 1937

## Half Moon Bay, San Mateo Co., Calif March 20,1937

- · 2598 Melanitta deglandi
- -260 Melanitta deglandi (discarded)
- . 2618 Aechmorphorus occidentalis
- . 2628 Cepphus Bolumba
- .2639 Larus occidentalis
- -2649 Aechmorphorus occidentalis
- · 2659 Melanitta
- 2669 Gavia Stellata
- 2678 Oria troille californica
- . 2689 Gavia stellata
- -2697 Uria troille Californica
- 270° Pechmorphorus occidentalis
- -271 Murrelet (species?) -- (discarded)



?.C. Aldrick 1937

2738 Larus abunescens

12739 Larus glaucescens

2749 Synthliboramphus antiquas

-2758 Uria troille californica

. 2768 Oria troille Californica

2778 Uria troille californica

Montara Beach, San Mateo Co., Calif. March 20,1937

-278 Ptychoramphus aleuticus -- (Discarded)

12797 Synthliboramphus antiquus

2808 Synthliboramphus antiquus

,2818 Gavia Stellata

- 2838 Phalacrocorax penicillatus



8. C. aldrick 1937

> Salada Beach, San Mateo Co., Calif March 20,1937

-283 Rissa tridactyla pollicaris

.2848 Gavia stellata

-285 Murrelet (species?) -- (discarded)

- 286 Murrelet (species?) -- (discarded)

Bolinas Bay, Marin Co., Calif. March 21,1937

2879 Gechmorphorus occidentalis

2887 Phalacrocorax penicillatus

12899 Colymbus auritus

-290 Murrelet (species?) --- (discarded)

-2919 Melanitta perspicillatas

-292 Murrelet (species?) - - (discarded).

v 2938 Brach yramphus marmoratus



C. Aldrick 1937

-294 Gavia arctica pacifica-(discarded)

v 2958 Gavia Stellata

v 2968 Melanitha perspicillatas

Acc. 5206 MVZ Dept. Cat. Nos 70611-70639



## ~ General Comment ~

U.C. Campus to Half Moon Bay to Sausolito March 20 At 6:20 this morning faward Turning, Frank Kickerdson and musell unt in M.V.Z. Buck # 112 with a unique surpose in mind. we o the sinking of an our under in the wellen stile a week of so ago many water weeks me subject reause of the al popular in the sales from mosto, a good sear de damence has week and both moth and south of the aute. Deciding to make Hule moon by our partiet point south, we recited directly these first and worker our way brack north a van Francisco + James to consolito por the might. Theel Afthe time on the way wask was all species of oil souther por skelled mireral. Oil was present on all the verther examined in somewhat varying quantities for



E. J. Strick 1937.

> Which I don't know the sesson, unless it is due to the steepness of the store itself . wince in sil monto on se water it would naturally de represent more covery in wat surrocks where the water can support The dant reasons the sel es sesitue. In a star stare the waves secret to most that it will be see with the wast into be suit. In some shall the sand of the inter wealt was down to a new includent walk or a right of 8". In the most pest, however in on the modern was present in works weregens pertaple 2" in diameter + 5" Thick. These slobe were very heavy intof masin de consistence de pueles; their valatile perts your, reasons in simost is shalt were. On the shore The blood were Inauthalest in the masses of drift wood. In these masses were where we rooked for the birds in perticular The oil seems to hold much debris



together that order crucy wouldn't be in tall. Inding smile ousto such as murelets in these messes was usemely the out & Osobubay some were everyworld. Burdo for specimens were abtriced in swerd ways. The way most as them were rectimed was a will Them up that on The Denty whome. Others were rive and west hand down & string we that method. The seastion of these live busiles to the oil certainly used intel pattetie sight Nome were As weak they down hourty said their head, get their cost energy. was weing yount in a quille attempt to preen out their reathers. Meny cay tremobing of white boung receive the vel had seperated the peathers waving the cold wind to reach their bare veins. Some no doubt were in the last stages of Sarvation lue o their inalvilety to outam food. Many ands such as Conforma murres, Gulls, and Western Grebes



E.C. Farick 1937.

> on the short une wonder. Sauce ant recupied crevises + niches wasse they downt News still & thus we unruced to presenture. In these laster most were too ru souked to view shout on he wales incl apparently took this runner of escape when a day or people passed in. In approaching these concient winds, nowever, then would mede i sun on would we selusned no we way the sounding on the first wave Tive Musses when approached gave a coarse o quawk, Joons qualked whe milients, and Western Iseles Jave hen sequen grating lack while wounded mose broken & dio sessed has west. all vists were reagerent and love had to be taken not to get too many gashes an our hands. all metrodo of Keenis were tried but would still let them we valuble as skeletoss,

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aut none were efficient. Finally. we resorted to larve monogride grom the Par This Killed ween within a minute. Some of the buds were seen in ragoons Dreening ous ily and dicking themselves in a sittle illeget to wash it off. Naturally the visto indicted most would De those sequences water in which to sween all the time, Auch as varies, munes musulets. suber and Joans. Those werds that west in the water west as the fine in on Hiase Mer The water were unested in vasious ways und usualis the poolets of the bists. Inowy plovers that inhabit the upper storeline way from the waters celae had very with sugno of oil on them except of the feet due to their sunning across oil blobs at times. Sanderlings, however, that are constantly at the oscillating waters edge, wookled strangery with thatbacked Loutsipers in breeding



Dumage velouse their velies were Coal back from sel. the were musket equety the Asmi whowen how nesting Mikeail of them we and thus similar distilities to dorde waves high than about 2"; no dead Sandeslings were sound at all. When a grock of Sandeshays that weren't seeding were exposanched they the presented the same pretuse with their heads down, vusing working in their west weethers. sulls were expected in various work: Nome were completely relate ant were wither an ite doubt lene or at the base of Tuble. some were any very thely relet as on the verest like the sanderlings Thes, so down, seriel led the the hadres of this out. Time that per my wacking stone the share vigithe waves were probably. the ones that were siled on the voltone only. I have that emphted in or seyout the sure had see inthe wings it isst, if not all over.



I prequent sught was to see a - white - headed dillet Transet of Wistern sull with a valk Not repunt the life simule a the sort server the Benepestes eye in winter plumage. The Der It the Nost warn't constant however ant some mes was amost a complete sing. Withhus meny of is quill wreted their heele & necks with their gul fure in Thee so to the course. Their weet had week "Corldet with wave of flease. Nome of the winds on the week were positively unidentikish versuse they were so theavily riled and assessed that the outsine me sine of the will couldn't we notes. Those veriles that weren't so reavely orlar & soller & series et the brase of the darpe were frequently found dead in their selling an adult musse in Leveling plumage (some were in wenter



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by sure)



E.C. adrick
1937

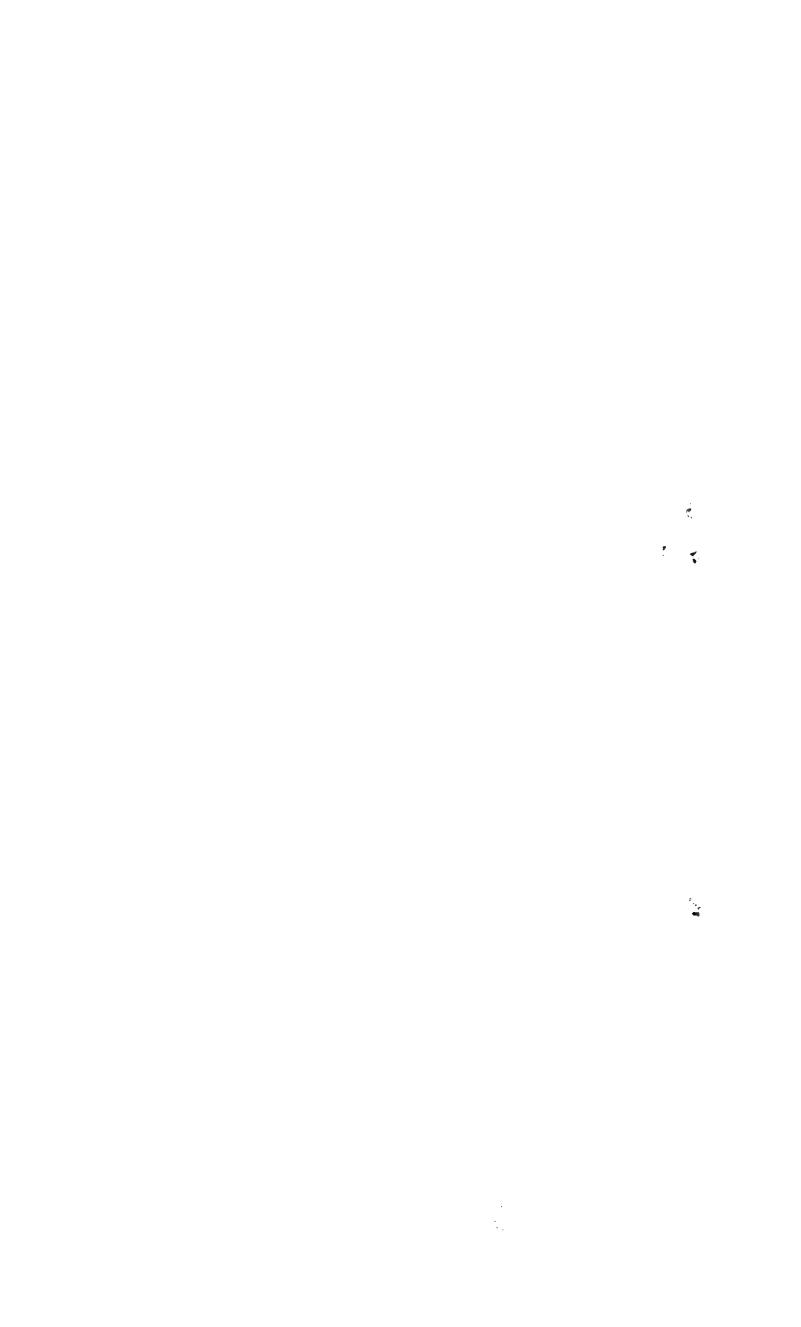
(2) Swalsowny some all while out it sea the presence! themselves (eventually towns up in viore). (3.) setting the nostries I was ged with quase and thus sufficieting. (lossed up ra viore) (4.) Decoming pastury out and yours to the try weach to preen. Here they the of storontion resined uy over exertise of vreening or My exposure a dock wind on their seperated Availed heatins. The weather for today was dull sunny or sarlly cloudy with reasional cold winds. The following are censuses from the main areas where collecting was tone:



Montara Beach We coveret the entire vealed. a distance of avout 4 mile. Calif. Murre - - - -White - winged Scoter - - - 4 (rull (species?) -- -- 2 Brand+ Cormorant (?) -- - 1 Western Grebe --- 3 Scoter (species?) --- 2 Pacific Loon (3) - - - - -Surf Scoter --- 3 Cassin (Juklet (?) - - - - 1 Marbled Murrelet --- 2 Unidentifiable ---atolai of 10 species and 61 individuals.



Salada Beach We covered avant 12 miles here, but not as much was seek as the seaches reasure it was sugar. Scoter (species?) ----1 Western orebe----------Red-throated Loon --- - 3 Calif. Murre -- -- -- -- -- -- 10 Merganser (species?) ---- 1 Murrelet (species?) --- 2 White-winged Scoter --- 3 Teal (Species?) ---- 1 Surf Scoter ----(sull (Species?) ---- 2 Pacific Kittiwake (immeture) --- 1 I total of 12 yperies and 36 individuales



(2)

Sausolito to Bolinas Bay, Marine Co. Cal. March 21,1937 Teaving for an early wast at 5:30 A.M. was of no avail you us bususe un spint until 10:30 getting the buck out of the mud a. Atinson Beach. Here in The midst of the laid pouring dain lary this morning a & then Humminabird was seen stoing its Dendulum ries and 2 pours divers ever a makies su; no sur of any I was present. From there we went assumed the end of the day to the town of Bound and these inquired at the love! suard Station Conserving the oil securation. The captain Issued that the ail arrived there the day after the wreck and appeted del the busts considerably. This is conceivable vecause & security have regulded Bolenas Bay as a haven for water facel. He said that yesterlay some of the men went along the beach and Killed avout 300 birds. They did this recouse the people these had sent in so



E.C. aldselk 1937 many compaints about the creed of the beached we werds due to hunger. The noise Escaled by these dying busds was stated to be almost dinning. Their method of killing was with a. 22 refle er Blieb. Upon in, ing if he trought those birds would still be present for our suspesses, he said provided not because of an unusually high tide the night before. We found it much the Name as he waid. Many were vuseed or washed aut to sea. andyging his discuptions it seems de l'étel à good many Seolers, sulls, and some mergenerers. He said that the hearthy gues would harass the ally dicks. From tust, we went up the Coast from Bolinas. We only went a short ways because the high lide Come completely up to the banks, not giving any Chance for burds to be beached Bobashy rere many of the birds were drawned when! the sising tide come in washing away those live visdo that sought

	6	

shelter on the share. In walking several hundred gards We Jound may 2 Murres, One sull (xp.?) and 3 unidestinable. From there we revised to Sunson veals and Combed about 4ths of the sant, Nort that Isacred the way. Here we yound Western Grebes to re the most evendent among the dead as compared to musses very most doundant elisewhere. think this long he uplanted in that seekes like I vay is Bouras and are orequestly here swearing to and from from the Boy to the ocean, It is interesting to note how different kinds of visto react to being in the process of being thrown up on the beach. Western suber and Seaters when in the pounding such will attempt to dive through the breakers where they come, even in they are nearing House ted and very weak. Masses however normally don't spind their time in or mear the across sure as the avove two buds do.



and when countle in the wants it is obvious that the don't Know how to essage them my diving, out are rolled over and over and verefet immeditely. I wonder if this holds me on their des, is I expect when the muses ply a reer met they take me beyond the andler une. Taking ma lousidesation the named water this placement of the different & perior is possible to compute in rught sout pour mula a visit is all my how low it is siding in the water when get while. Henry sailess were seen to ve basely with Aust their neads & the him of their tails pretending winne the surface of the water, some birds on the Branas spit were found dead in the tops of the grass-coursed Nant dunes where they sought seausion. This rich at the Spit providing supplied and replaced the with sought for



at the bases of Capps as found elsewhere yortuday. Both yesterday and today I noted the seastine of healthy gulls to a captured and sily and When we would have down a mained sull others would may usund low over head giving raiserus calls. Frequently another bird (gull) was seen following sllong with an ally gull. Weather you today was extremely wet. It poused the intire day and was secompound by winds from the west. The following wa a test of clead ordying birds from Bolinas Noit. Bolinas Spit Western Grebe Red-throated Loon Ruddy Duck



E.C. aldrelle

Photographic Record

March 20,1937

#37-4 - Half Moon Bay, San Mateo Co.

Adult vil sonked Musse,
in breeding plumage, sitting
on sand. 50th-f. 16. Super

ClemeChome

#37-5 - Half Moon Bay, San Mateo Co..

Lestern Essels (vil souked)

sitting on sand weing held

sig Frank Richardson

5oth - f11

#37-50- Some as above, except not seing held by Frank. Is probably moved.

P. G. Aldrick 1937

#37-6. - Near Half Moon Bay.

Sept to sight Elms Wheel,

Fronk (Richardson, Frank)

Twenney caling winth in

John H. V.Z. Doctor insel.

50th - FI

#37-7 - Salada Beach, San Mateo Co. Sal.

Oil soated mile Surl Seater.

Aury on reach - Moved

#37-8 - Jame ou = 7 - mot moved



Section 2

aldrich, E.C.

Providence Inte San Bernardins Co., Calif. May 13- June 2



Eddy ch

## Cata logue

10 mi. ENE Baker, San Bernardino, Calif. May 12, 1938

450 Cremidophorous

452 Sipso-saurus

2 mi. N.N.E Cima, 4100 ft., Son Bernardino Co.

453 & Tyrannus Verticalis

454 & Myjarchus cinerascens

455 Crotaphytus Wislizenii

May 14, 1938

456 F Lanius

457, Crotalus

458 Hedgeling Oxeoscoptes montanus
Oreoscoptes montanus

(a/colo/ic)

459 Crotalus

May 17, 1938

Bernastino Co., Calif.

May 20 1938

May 20, 1938

460 Sceloporus magister 461 Phrynosoma platyrhinos



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## Photographie Catalog = discarded

2 mi. NNE Cima, San Bernardino Co., 4106 ft, Calif May 13,1938

38-63- Young Joek Rabbits about burk old taken from den by arvey. Close-up of one individual. Isopon; f22-15th.

38-64. Same as #63

38-65 Same as #63 - Superpose

38-65 a Same as # 65

38-66 Same as #65

38-67 Same as #65

38-68 Same as #65

38-69 Name as #65 - all 5 going of the litter

38-70 Samo as #69

138-71 Vow Rooking East-Moon coming up over N.Y. Mts three Joshua . f 5.6-2 sec.



38-73 Habitat Pictur - Clack where Johnson set trap-line last nite (cought Berognathus, Ony o homys, Sipodomys). Tracks in Joseground of the desert was have Cows. Much Ephedra tother buskes bashing wash. Besds nearly are mockingbisd, tasked lask and Desert Sparsow. Sopan; f22-t; K2 Filtes.

38-74 Close up (about 3' away) of Rattlesnake
37" long; 7 sattles + button, Vaken next to
Vashua log in shade. Augur pan Press; 75th; f22
Color: Obarnouds dull, neutral bersun; rows at
Alales bordering diamonds, light cream on
sides be twent points of diamonds, dull peagreon, Underports dull cream.

38-75- Same as #74

38-76 Same as # 74



38-77 Same as #74

38-78 Same as #74 - toth - faz

38-79 Same as #78

38-80 Same as #78

38-81. Preture of well borned fashua about 15' tall; taken looking east in afternoon Isopon; 122-8th

38-82-Remains of Cattle on edge of exering Iropan; f22-toth.



E. aldrich

38-84 Same as #83 - more top view

38-85 Same as #83 - Complete side view Nowing nest attatchement.

38-86 Same as #83 - Taken af entire beweh about 6'away - f22-14 sec; Irapan

38-87 Same as # 86 - Farther away yet showing where bush is located in relation to the Naryon. All of the shots of the Brewer Spersow next are from the side of the bush that is apresed. In year; f22 - 6th.



Ment entirely of dry grass with lining of decayed Jaskes leaves; no hair as in the preceding Brewer Sparrow's nest located 25 yds, away.

Creture Islan 2 away & lowing eggs

Asopon; f 22-2 see.

38-89- Same as #88 - 6 away & lowing opened bush and nest. Isopan; file-1200

38-90 - Same as # 88 - Picture of book of bush showing relation to terrain. Next is in center of left hand bush in foreground. Isapan; f11-8th.

28-91- Top view into interior of 30"high Ephedra bush showing a next of last year or year before. This has been used as a roosting site as othere are many droppings an the flattined Surface of the next. Superpain tress; f22-12 sec.

May 15, 1938

38-92 Picture of a burrow (probably placed ony) on bare ground lovered with gravel of decayed granite 6" ruler for comparative size. It a ge apining 28 x 24 (wider than tall). Vail and foat marks are inefront of the sest hale To right is an alder hale covered with colonels. Old

	,	

38-93. Name as # 92 - Stapped down to f22 - 15th

- 38-94- Opentia basilaris in full bloom. Ht = 9"
  Color of flat bases, dull grayish green.
  Color of flowers, brilliant deep sint.
  Outside dia of blossoms = 23". Takin
  about 35 away. Isapan: f22-524.
- 38-95 Same as #94 Claser up and lower down; 25 away,
- 38-96 Openhia ramodissima 25" high with series of 4 burrows at italiase (might be armo spermaphilus. Caetus has but a few nudles on. Isopan; f22-8+4
- 38-97 Group af Jusca ballata from clistance of about 10 yds: Joshuss in balkground. Isopan; f22-15+h.
- 38-98 Same as # 97 Closer up I think the fiber shown are used by Scott Osioles in building nexts.

6.



38-99- Pictuse of what I think is a badger working. Apparently was digging after a bround Aguissel. 6" rules for comparative size. Isopan: +22-674.

38-100 - Caetus (20.2) taken at clistance of 6'. Dia of Clump = 38 x 33'. Inne of the flowers arn't fully opened. Betale brilliant orangesed Stagma bright green. Thorno, light luft, Body of each caches, It. green. 6'neler for comparative size. Isopon, f11-50

38-101 Burrow probably of Ket Fax et base of bush. Is 8" wide + 7" high at the apening Isapan; f 16-25th.

38-102 Nest + 4 # half-grown young of Say Phoche located 5' high on top of a box nailed to the wall of a diseted shack. Vakin about 3' away. 2 see .- f 11 - Superpan Press.

38-103- Picture of deserted Shack, Nest of Lay Phoche t 4 gaing just inside loos on boy 50 high nest is made of string, threads from oldh which lines the rooms of shack buts of wool. Hest 7 round with county of 3" Soupan; fil 50th



May 16, 1938 Sage

38-104 - Nest site of Haye Thrawher in

Quintia ramociosima. Nest contained 2 hrs.

ago 4 young neasly ready to have the nest.

When returned all had left but one 4

it was neasly dead (was a runt + undendon)

Isopan; f16-25th.

38-105-Same next as #104-Claser up and Cather apened up to show southers. H. of Cactus 15" " to rim of next 10" Cutode dia of next 5" Insite dia of nest Outside depth 10" Inside depth Most is imposed mostly of thorny twigs und lined with a layer of decayed Varhua baves (fibers) and some red brown Cownser Isapan: +22 - 4th see.

38-106 Kichere Linnets nest + 4 eggs located 8'
up in tip of branch of Joshua tree. Nest
in center of Clump in middle of proture
Lapon; f10-25-th



38-107. Habitat picture - Right hand side of sight los hus tree contains a Linnels next (previous picture). In Center foreground is catture containing trage Thasher next. To left af that in foreground is Counted basilians. 2 or 3 Clock (sp?) can be seen in right + center foreground of hulas Commissioned The Suppan; f 16-30th (also Counted phones hibitat)

38-108. Same as # 107 - Agfa # 17 filter, deep Colored and, Josepan; f 16 - Tork

28-109. Same position as # 107 + #108 Suit

Camus pivated to left (morseas) slowing

New York Mits in background. In

Jose ground can be seen to an agen area

frequented by annospermophilus, formed

Toads, tornest tarks. Tree framing picture

an left for 20 minutes contained a 8

Josa ging Coctus Woodper, Cer. Japan; fio-to;

agfor #19 yellow filter deepend.

38- 110- Ricture 3'away takin af caetur (sp?) 12" high Spines are riddoin buff & new lends reddisk. Superpan Press; f 11-550th.



aldrich 1938

38-111 Mosting tree plant 15' up in Joshua Nest is about 3' wide and 3' dup + Contains I white eggs well incubated, Taken from shady side of tree where can better be seen the nost supports. Isopon; f16-4th; Ka filter.

38-112 - Same nesting tree as # 111 taken from sunny side (west) and farther distant. Isopan; f11-30th K2 Filter.

V38-113-Same as # 112 - slightly closer with me past way up tree (self timer). Superpax Press; 16-60th; agfs #17 gelow felt, center posteri.

28-114 - Habitat Study - Yacca mahavensis in Center with Voshudo froming both sides. Woodrat next at base of nearly all 4 mahavening Birds about are shirke, sheert sparrow makingend Ephedra at bases of Jucess in abuntance Has and Whip tailed Lyands also about. Isapan; +22-54h; 12 Filter.

38-115- Power line Tower sunning through Voshus

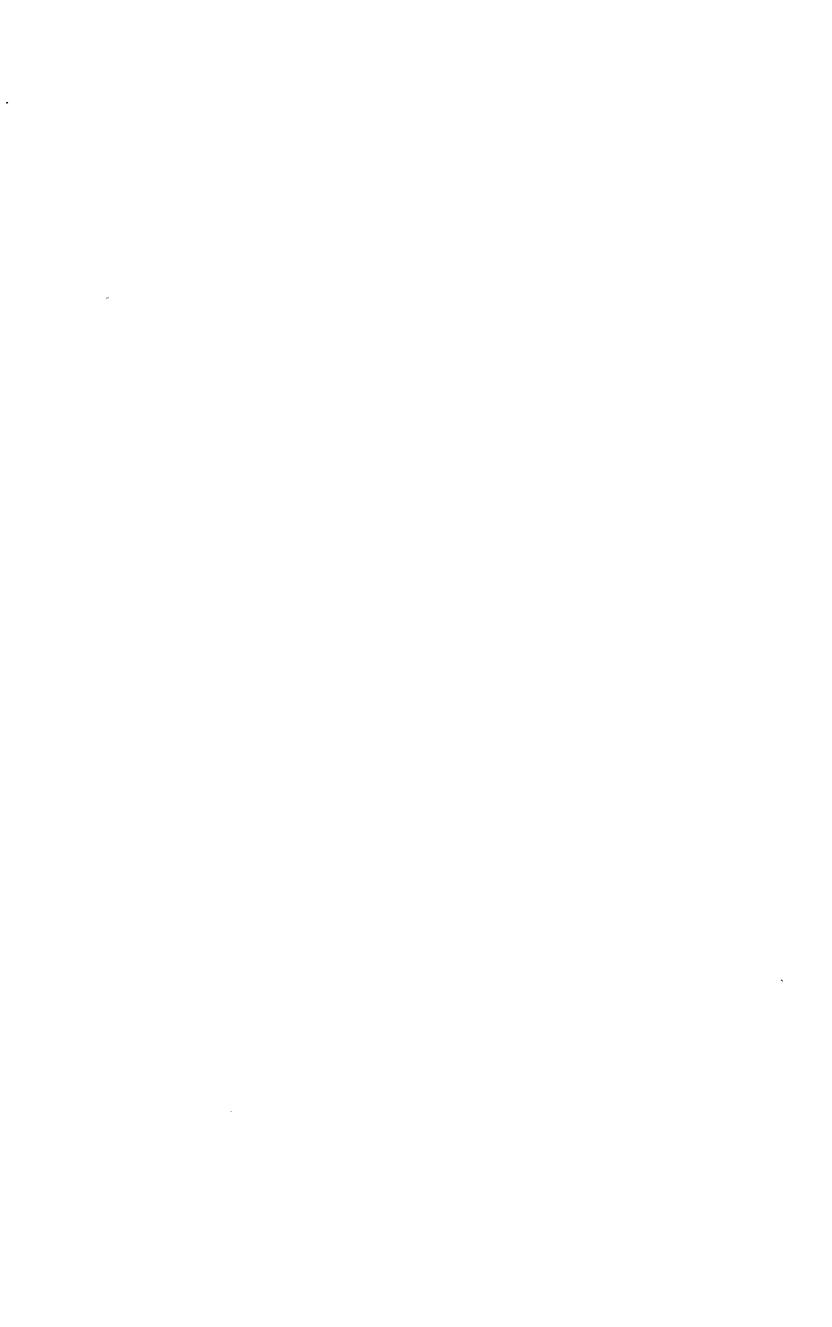
borest. This would be the only high nesting

spot for saptors and it is covered with Howk

quards." Only other possible sites are lashers

except mis. Gar in distance. Isopan;

f16-5; K2 filter. Taken late in afternoon.



E. aldrich

May 17, 1938
38-116 Prickly pear type of Cactus 40 inches
high, buff-greek in color. Taken / mi
3.W. Kessler & Ssinge. Isapan; f22-15th.

38-117. Female Costa Hummingbird on nest.

Name locality as #1/6, Rest located on

dead remains of Joshua blossom 8'up.

Nest contains 2 fresh eggs. Bird was

exceedingly unwary and would allow

to be touched, Auperpan Bress; f11-50th.

38-118 Same as # 117

38-119 Same as # 117

38-120 Same as # /17

38-121 Same as #117

38-122 Same as # 117

38-123 Same as # 117

38-124 Same as # 114

38-125 Same as # 117



38-126 Same as # 117 (Fogged!)

38-127 Same as # 117 - Taken farther distant at about 3 feet. Isapan; f 5.6 - 25th (broken dia phragm).

38-128-Same nest as # 127- taken, farther distant to show nesting tree. Nest located on left-hand side 8 high. Isapan; f 5.6 - 80th.

May 19, 1938
38-129- Habitat Rictiese - opening in the Vorhun
forest inhabited Chiefly by Horned larks.
Taken from top of truck. Isopan;
f16 25; K2 bitter.

38-130. View from top of truck showing stock watering place and overflower strong Processing Processing Cover, and other birds seem drinking there: Linnets Kingbirds, Brewer Sparrows. Turky Vultures frequently seem hovering low over lank. Isopan, \$16-20, \$2

38-131 View of lattle amongst Loshuar Luper pan Press; f 18-80th.



Ealdrich

38-132 Next + 3eggs of Wesert & parrow. Thread release accidentally pulled without bird being present.

38-133 Jamenust +eggs as # 32. Taken higher up shawing interior. Nest intisely of dry grass Clined with a few feathers and Coroun Countair. Next in attiples (?) M. of was h 25 " Ht. to sim of next 12" dia. (outside) of nest 43 13" " (mæide)" 2" Liverde depth 27" Culside depit Superpan Bress; f22 - 4th

38-134 Pecture of Camp and Lave Volumen writing letters inside of tent. Inopan; 78-50th

38-135 Same as # 194 - Tent Flop down

C.H. Thomas Ranch, 5mi. S.E. Cima, San Bernardine B. Calif.

May 20, 1938

38-136 Close-up of & Sparrow Hawk at opened next

site, 55" high in Vashua Stule. Superpan Bress;

40-f11.



38-138 Same as # 137

38-139 Same nest as #136 - New of entire nesting stub. Nesting hole is Ind from the top on right. Isagan; f 10-Toth, Kafillin

38-140 same neut as # 136 - Close up of eggs. I are af Avarous Sawk & 3 old ones probably of Flicker. Isopon; f22-2 sec.

38-141 Horned Toad taken on natural habitat sand, Specimen 459 (alcoholic). Isopan; f22-15th.

38-142 Same as # 141 - More dorsal View.

Cedar Comjon, 5000 ft. Providence Mes. Lon Bernasdrive Co., Calif.

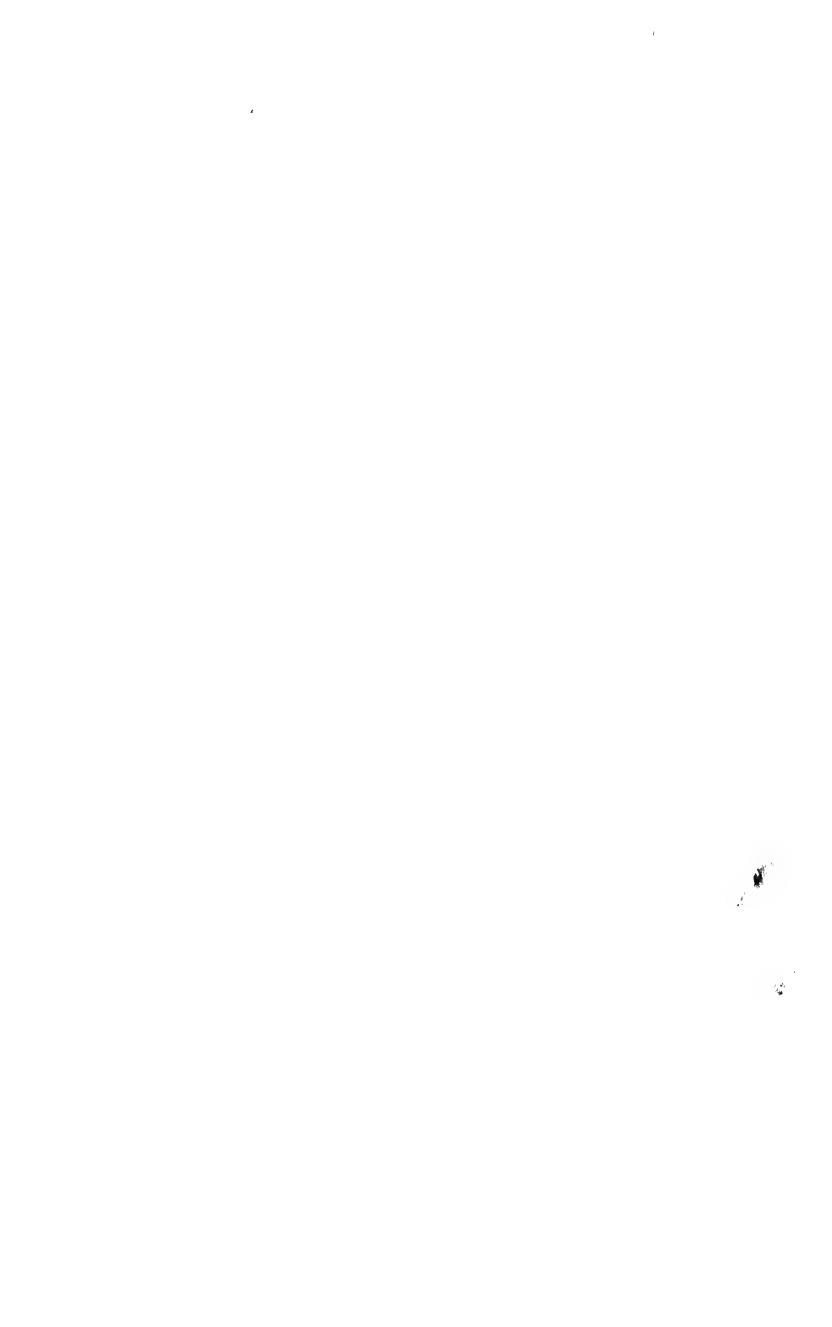
May 20,1938

38-143 Next + 4 eggs of Devert Sparrow in

Spentia parryi (?); Parent bird (sex?) incubating

Isopan; f8-25th

38-144 Jame nest as # 143 - without parent Sapan; 122 - 12 sec.



E. aldrigh

38-145 View looking South across Cedas Campon Showing sould to Exset sunning up side Campon and Cedar Campon Re running up to left. Ory was at lease of hills. Isapan; f20-2; K2 Filts.

May 21, 1938

38-146 View of Bluff East of Camp Rabable
misting site of Red-tailed Rawk & Braise
Falcon. Bisdo seen in foregranns: Mockinghing
Rock Usin, Brewer Sparrow, and hirite, and
Wormed Lark. Isopan; f 16-20; K2

CH. Thomas Ranch, 5 mi. SE Cema, San Bernardins Co., Calif.

May 22, 1938

38-147 Nesting Stule 65 high with of Screech Owl, Isopan; f, 4-50th

38-148 one of the 4 yng. out at nest #147, Eyes are bosely open, and beginning yesterday the pasent wasn't found in nest during day. Isapan; f 20-25th.

38-149 adult Abrike at nest + 2 yng, + un hatched egg.

grage are hove not feathered as yet. Hest owniposed
of thorny sticks with bring of decayed booking
needles. Next 7' high in Joshua Superpor pres; + 14- Too



Colors of

38-150 Same as # 149- Parent has either partion of Noorpion or young birds leg.

38-151 Same nest so # 149 - Fasther distant Showing entire mesting tree. Nest is Raddled in Ist branch of Varhera. Isapan; f 11 - 5orh.

38-152 View looking west of Cinnacle framed by Los hus on right. Talus up to Cliff Jaces occupied by Rock & guirrel. Wood not droppinge found to summit in cracks. about / dayon myotis subulater frightened aut of crack to right of summit and about 30' below top. Op to faces of unbroken beek saw Cuemidephorus and Seeloparus magister. Red-tailed bowks nest + 3 half-grown yng. on Vertical face on sposite sule of pinnacle near within 15 fortop. Canyon Were nesting on talus in Center of Innacle. White Edward Swifts (about 20) Deen flying in backs near of. Other birds seen near Case; Linnet, Sesert Sparrow, Cliff Swallow, Wood house Vay, losta Hummer, Turky Vulture, Rock Wren Scott Driole, Gambel Quail, ash-t. Hysotcher Plants: Barrel Coetus, 3 Kinds Cereus, Opentia Cassilaris, Vashua; Guca baccata, 4. mahavensis, Spentia sp. Ephedra, Composite Flowers, Composite bashes, Huniper 25'high

Isopan; 25 -f11; Kabilter.



a alaxen

- 38-153 Taken from some place as # 152 (8mi. SE Cima) Tooking East up Cectar Compa. Redlish bluff near Comp almost on horizon in center. Wark spots on higher pests of hells are Junipers. Asickly pear Coctus present. Isopan; f22-4; K2 filter.
- 38-154 Same simmacle as # 152 New of Red-tailed Hawk +3 gng. from distance of about 36! Asgan; f11-50th.
- 38-155 Some as # 154 with telephoto attatehment. Isopan; f22-6. Crack running down from nost occupied by Write - L. Awifts.
- myotis subulatus (conget two) yesterday.

  Back averages about 5" wide beneath

  expolliating slab of granite, No buts here

  today. Isppan; f 11— 60th.
- 38-157-1 mi. E of the Pinnacle about Next + 5 egge of Cactus Wren in Operatia sp? Sopan; f9-50th.



E alguet

Adar Campon, 5000 ft, Providence Mts., San Bernordina Co., Calif.

May 22,1938

38-158 Next with Adult & 4eggo (same mest as #143) of Marsh & parsone, Bird on the eggs, Isopan; f11-25th.

38-159 Name as # 158 - Superpan ares; \$22-50th

38 160 Same as #159

38-16) Same as # 159

38-162 Same as # 159

38-163 Same as # 159-Superpor Bess; fix-tooth Bird approaching nest.

38-164 Same as #163

38-165 Name as #163.

38-166 Picture of me with Cowbise + Cottontail. Superpan Press; f16 - 85th.



& aldred

May 23, 1938 38-167 Next of Cactus When + 5 eggs (same next as # 157) taken after an attempt

to get bird at nest. Length of nest - - - - - - - - 1/2"

Harizontal dia. of next (largest part) - - - 75."

Ht. of nest above ground --- -- -- -- 37"
Next made entirely of dry gross lined

with very fine grass few feathers and

feleurs of Varhua leanes. Isapan ; f 11-30th.

38-168 Mound & Clagged internee of Sepadomyx (xp?) in sany-gravel.

Long dia of mound - - - - - 23"

Short "" - - - - - 14"

Norigontal Dia of Beerrow - - - 24"
Isopon; f16-25th.

38-169- Coral King Snake 25 "long Swen to be

by C.H. Thomas Haken in the basement of his

house. Photographed at camp in Cedar Canyon Black bands splotched with cream-colored scales.

Cream-colored bands with deep blood sed-typed scales. Kentral surface Cream with gray scales

Supupar press; f 22 - with. Specimen



2010 grass

38-170 Name as # 169 - Clases up.

38-171- Sceloposus secidentalis 73 "long on Junipu log. Jospan; f22-8th.

38-172 Name as # 171 - Standing more exect.

38-173 Adult & budges atop sock-laught in stell trap by DH Johnson (trap invisible behind rock. Jopan; f11-toth.

38-174 Same as # 173, Superpan Bress; ft 11-tous.

May 24, 1938

38-175 View looking SW from Related Philips East

Of Camp. Shows Order Campon with wash

and road, and shows side Campon sunning

up on right in distance wher is camp. Emjor

and Simper on higher slapes. Vashuas on lower

slapes. Isapan: f11-12; A filts to cat

hage. Framed on left by dead Pinyon.

34-176. Same as # 175 - agfa # 17 fetter deep end. f 14 - toth.



G. aldrich

38-177 Gray Viseo's nest + 4 eggs in Istenesia Indentata he of next 29" Depth of outside of next 23" 2" Inside depth 13 Inside with 23" Outside with materials are: on outside, mostly & bredded back (thin) of artimesed & other Bushes. Inside About 3 spider egg-cases on outside Eggs are frush & appear light pin his h-buff sported with reddish France more about the larger end. Bird unways I will set for pature. Sopan; f 22 - 51hs sec. (in Shade)

38-178 - Lance nest as # 177 - Bird on the

38-179- Same as #178 Superpan Brews 1546- \$16

38-180 Same as # 179

38-181 Same as # 179

38 -182 Same as #179

38-183 Same as # 179 - 30th - f 11

G. alaneh

38-184 - Name as #1/83

May 25, 1938 V 38-185 Bufo punctatus on salt & pepper general color gray) granite where this load was found last night. measurements: Gody & head to top of tail) 47 mm. Color; lorsal spots reddishorange; dark area around lack spot darkolive. Interspaces sext of back), mattled light gray-green & grayed yellow green. Parolid Stands - slightly most galowase than light gray green sown of back + Isis: reddien gold mothled with dark Stood red Underports white with tinge af grag-green Undersides af feet brownish - Salmon. Superpon Bexs; f22; \$ (ourseyposed)

138-186 Name as #185

138-187 Same as # 185

38-188 Same as # 185 - Different Toad 50 mm. Superpan Press; f22-5

38-189 Same as #188



E. aldrich

38-180 Same as #188- 122-2

38-191 Chemidophorus tesselatus on sand in wash (natural habitat) measurements: 93 mm. Gram anterior and to anies, 325 - ourall length. Colors: Melow speenion yellow, narrow orange line lording pupil length. Colors: Mel spots Stack. Sround color on back = gray brown from head half way to tail, shading to light brown (sellowish). Sides = gray from smout half way back, fading to light more prinking than back. Belly = blue graybok-white with black spato. Topaphend - browning oleve. Jower labials = sightly lighter thou ground color of belles . Side of head = grading from down Color to Color of Colors of sports 3 way out, shading to dark brown (nearly block) to pasterior end. Side of tail anteriorly lighter than dossal color with pention truge. Jarge scales on front of front legs to fell greenish gray; top of post feet some as front feet. mottling of dorsal side of hind legs light Superforn Bress; f22-6, in sage.

38-192 Same as #191



Ealdrich 1938

38-193 Same as # 191 - In sunshine f 22 - 50th.

38-194 Same as #193- Closer-up and with tail curled beneath feet.

May 26,1938 38-195 - Habitat study: side Canyon of Ceder Conyon thru which suns the road forking to Essey. Several other large types of busses, a few Voshuas present; Sercea baccata on slope. Just beyond Joshua in Center & Alighty to left io need of Stray lines + 4 eggs in Astenesia. Just this side of road onleft is large dark-green bush Containing nest + 5 eggs of mockingbard. On extreme right of pectured on other side of road is nest + 4eggs of lesert Sparrow in punted sp?. Other burds present in pictured are are ash-throated Flycatcher Scott Osial passingthese and last Summer. Aureral days ago shot lotton tail behind center Jashua. This A.M. in foreground Kodgers I & found very young sattlesnake swallowing Gerognathus. Unmospumophilus buroavo abundant. Whip-tailed Tigards & Has present Dropan; f11-25; Kg-filter.



Eldrick , 938

38-196 Nest + 4 fresh eggs of Gray Viseo (same as#177) Isopan; f22-14 sec.

38-197 Same of #196 - farther distant. f22 - hac.

38-198 Same as # 197-bird on nest in sum. Supan; f 10-25.

38-199 Same as # 198 - Gapan : \$16-1014

38-200 Habitat picture; Bettom of Codar Conyan in wash staken from Juca autus hillside. Trees in wash are Sesist Willow just leabing out. Chrysatpamous and other green bushes in wash. Veryou & Sumiper on apposit. Add hill. Bests seen in bottom of wash: Many mousning doves resting on schady ground beneath trees, Shot 1 of two Coles Way wings parched also willows, & Black-headed besashak singing alop willows, Finnets, Cactus Woodpecker foraging on barger links, Cactus Woodpecker foraging on barger links, Sandel Origin in bushes around willows.



& Marie

38-201 Habitat Study: Dry, sandy Wash at bottom of side Conyon running into Cedas Conyon. On situres left is Joshua + Vinepur. Chrysothammus in bottom of wash. Wash runs into same grove of Sesist William as # 200. Many Coyste and Cattle tracks in sand. Brobably habitat for Suportonyos. Cholates Washes absenced in Sant Willow, 2 Whip-tailed Ligards Comman. Jospan; \$20-6; Ka filter's put slide in wrongly.

138-202 Some as # 201 - put slide in Correctly.

38-203 Nesting site of Ssay Visio in Pinyon (one on sight) on rocky side-hill 30 yds. from dry wash of # 201, Sospan; f 16-5; K2.

Inside with



8

lia largest limb for attatchment ---- 3"

" smallest " " " --- 4"

Loopan; f22-5.

38-205 & Costa Hummingbird perched on edge of next containing one young and one egg. Sun is so hat that is difficult to get one of rese sitting completely on the mest; The hies to shade not cover young Nest is placed stop a horizontal dead, a Keleton branch of Opentia (ap?); many live stims present, but seemingly present posetion offers better attalchment for ancioning spider webs. Nest probably in sun all afternoon from 2 PM. 33" Ht. Coetus site 32" Ht of nest Dia. supposting branch Outside dia, of next

Outside dia of nest.

Outside depth of nest

Inside depth of nest

Inside depth of nest

Nest made of very finely shredded light gray

plant fibers, with fung from Composite Stews or leaves as a lining + Feathers about 1" long. First material laid down is 3" loyer of buff poppers of composite. All bound together with spider webs. Newethersel

above next 4". Isopan; 25 fil Seneral appearance of nestgrayer.



Galdrich 1938

38-206 Same as #205 - f 5.6 - 80th

38-207 Same as # 205 - f22 - 4th (moved?)

138-208 Same ao # 205-f 5.6 - 80th.

38-209 Same as # 205 - Superpan proces; 75 - f 16; shade.

38-210 Same as #209 - f1) - Tooth.

38-211 Same as # 209 - f11 - 80+1

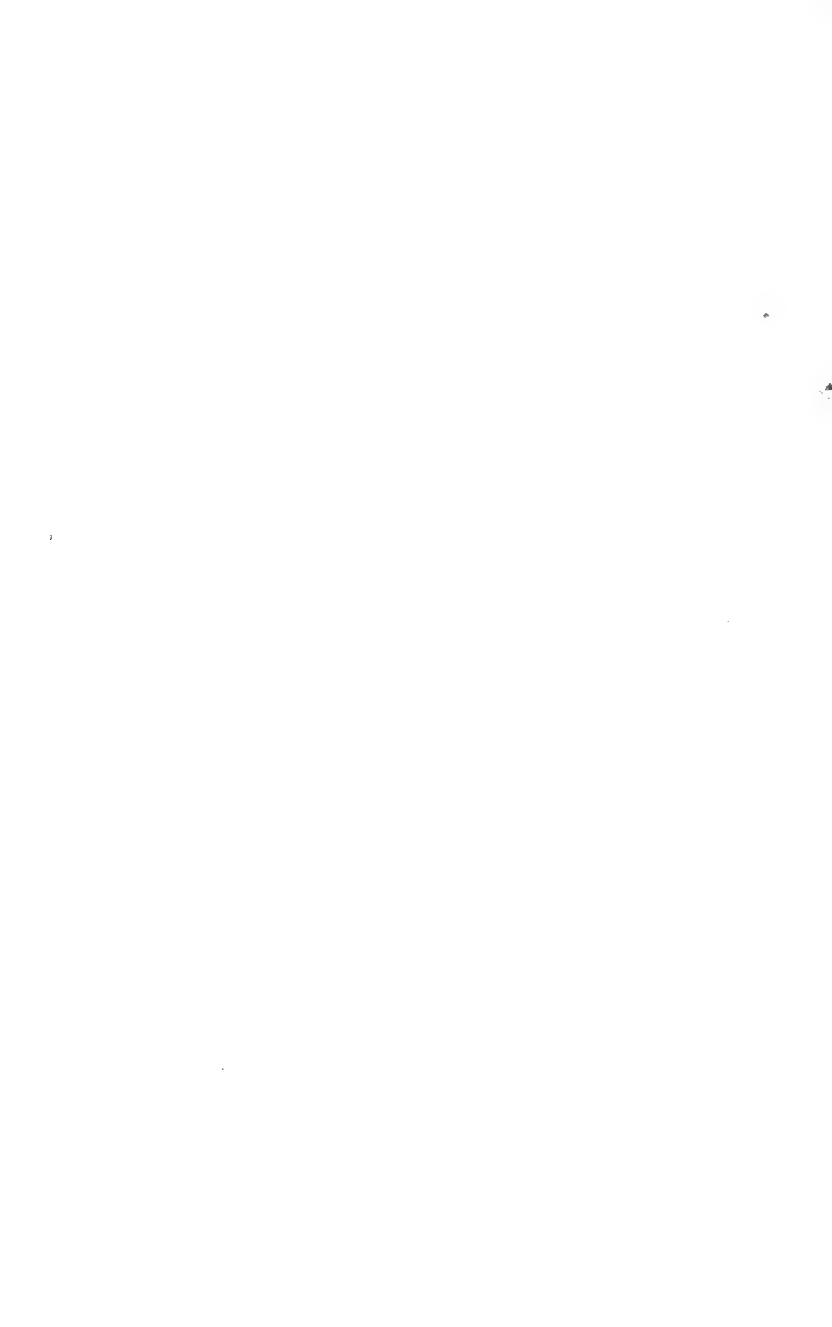
38-212 Same as # 209 - Picture of bird with unclosed wings just alighting on nest, Superpan Press; f 8-250th.

38-213 Same as # 212

38-214 Same as # 2/2

38-214 a Same as # 212 - farther away

38-215 Same as # 214.



Galdrick 1938

Bovernment Holes, San Bernardino Co., Calif.
38-216 Cornice semains, of sall bourse at Survey.

38-216 Cornice remains of sock house at Sourment Holes in about 1852. Isopan; f 22-16+1.

38-217- All the new landsings (except a barn) and suins of Government Holes. Is now public quarters for cattlemen. Isopan; f16-25th.

38-218-Old (and probably original) stockade made of Suniper trunke and banned with pipe which is probably most recent. Isopan; f16-26.

38-219-View looking South & howing typical Great Busin plants: The state of the Internation of Characteristic tridentate. One of the typical granitic outeroper near foreground. Characteristic Semper-covered billside on left background. Birds Characteristic of foreground: Client Sparrow Western, English, ash-throated Theatester, Mistern Smatrataker, Morning clove, and oddly enough & orst a Crissal Thrasher here. Many Cottontails & Vac. Crasher. Utas & Cremidophoms also present. Super; fire-20.

38-220 View looking North from same place as # 219 showing Close-up of Jucca buceata Persia + Artemesia Reddish butte near comp in background. Isopan; +22-toth.

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2 Aldrich

Rock Springe, San Bernardino Co, Calif.

38 -221. View looking up wash at the original Rock Springe seed by army; sett of the South Mormon Drive owned by Best b. Smith, address Cima Calif. Rocks on left bear inscriptions: Stuart, 4th Infantry, May 16,[1851];

48 Ir. '75. Springe now flowing maximly at 10 gallons per minute & is habitat for Bufo punctaties (tadpoles seen, odult heard) and probably tyle arenicala (tadpoles seen collected beapon; fle-son.

38-222. Rock wall constructed about natural fortress of Rock Springs to hold in stock of the army stationed there. Gropm; \$16-50.

inhabited by Bufo punctates and probably

Negla arenicola (see 424). Amall black

tadpoles are probably those of the tout + the

Jewer, larger, more grayish, Lyla. Jospan.

Near B.M. 5167, about 3 mi E Camp in Cedar Canyon, San Bernardino Co. Calif.

38-224 View looking S.E. framed by Sumper on right and showing Table Mil. in center background. Birds sun in type of & Roseground, Lead-colored Bresh-Tit, Ahrike Mockinglisd, Horned Lark, Ash-throatede



G. Oldrich

Flycatcher. Isopan; Kajf16 - ioth

Cedar Canyon, 5000 ft, Grovidence Milo. San Bernardino Co., Califo (Rodery Coll. 1068), 38-225. Brotophytus Collans, young on grante rock in wash near where taken, Smout to anus= 66 mm. Vail (in complete) 83 mm. Colors: Collar baso pure black. From collaro to base of tail marked dorsally with alternate transverse bondo; of broad and narrow ones, Broad bonds thanks grayish shirt flecked with white exploteles arranged in cercles. Narrow bands browns h-orage, deeper medially. Delly sale grayest green. Top of head-yellow brown; sides more gelloward + minutely specked with orange. Tail - ground color tan downally fading to color of ally only vutile. Spots, brown. Frontly, yellowinh. Hind legs grayer, spots-brown. Isopan; 122-12th.

38-226 Same as # 225 better pase.

38-2278 Uts stansburiana in natural habitat in wash. Inout to anus 47 mm. Tail 86 mm. Tap of head, brown Isound Color of back and sides bronze stats on back turquois-blue; spots on sides, yellow. Belly, pale gray Spot on side shing black. Tail - proximal 3



E. Aldrich

same as bock, but more blue + less bronge (poler). Sistal 3rd, dull grayish brown Vintral side of tail, pale gray, Ground color on anterior legs brown praximally facting to gray on feet. I pots of yellow on humans. Sround color of hind leg same; scattered spots of blue on leg. Isapan; f22-15th.

38-228 Kantusia vigilis on rotten log of Sox hua in wash. Snown Tap of head gray, Fail = 52. Colors: Iris, brown Tap of head gray, Rottsal aregion, brown, I down tatesal lines (clotted down back and complete on head), yellow. Vertibral area yellow-green. Sides, gray. Top of tail faintly greenish-yellow. Sides of tail some color but polar; ventral more pole Aporto gray. Belly gray, slightly lighter than side. Segs gray with slight tings of yellow. Superpan Press; \$22-took.

V38-229. Same as #228-Isopan; f22-10th.

38-230 Hypsighns orthodorhynchus taken and amp sand in dry wash. Snout to anus=239. Taillength=39, Colors: Vris, light buff with vertical black pupil. Ground color of back and sides, light tan feeling to white ventually. Spots light olive duknox hind. Isopan; f22-lsec; shade.



& aldrich 1938

> 38-231 Same as # 230 probably moved 38-232 Sames as #230 - not moved.

May 28, 1938 38-233 Young Served Owl (on af little of six) taken last night from mesting Note in Pingson. 711-25.

38-234 Name as # 233

38-235 Name as # 233.

Midhills, 2 mi. N. Cedar Canyon, 5 500 ft, New Browdence Mes San Bernesdina Co., Calif. 38-236. Nest + 3 eggs of Black-chinad Sparrow in artenesia tridentata, Next constructed of mostly of files of Jucea baccata & lined with brown + white cownsir. Hest wholey concealed within bush, which is one of many insocker work. Ht. of bush Ht. of nost Outside dia of nost Inside Outside depth 唐" Inside

nest eggs collected Isopan; f11-30; pulled string when thought she was on.



17

E. aldrich

38-237 Name as # 236-higher up f22-5th.

38-338 Nest site of Block-Chinned Sparrow (same as # 236). Veiniger in wash on right out Dingous on left. Nest in artimesia near Veiniper. Rocks on left: saw S. Kinklad.) and wood rat. Brewer Sparrow nest + riegge 20 yds. down wash in same habitat as Block-chinned. Jospan; f16-75th, may more come.

38-239-Same as # 238 - Camera not moved.

38-240 Nest + 4eggs of Brun Sparrow with parent incubating. Nest in artimusa tridentata 20 yas from # 238. Nest almost entirely of grass lined with soutlets.

Inside depth

Eggs 4, blue sportled with brown bapan; fir \$5

V 38-241 Same as # 240

38-242 Same as # 240

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G. aldrich

38-244 Same as #243

V38-245 Anne as #243. (Viscarded!)

and tills 3 mi. "Cedar Canzon, Good fl., Brownerce Cange, Lan Bernardino Co., Calif.

38-246 Habitat Study: Mind artemaria & Curshia in foreground up to rocks in inhabited by about 6 pr. Black-Chined Sparrows. 2 Cleret Sparrows seen. 2 Rock Whens on rooks in foreground as well as on Cliffs, Gead-Coloud Bush-Tito (coll) in brush & Dingon & Simpers of Cliffse and on slope. One Cook Squirrel seen on chiffs. Scott orioles (pr.) seen atop small Janepers on slope. Search Western Grant various on slope. Turky Vultures overhers. Grapan; f 16-50.

Also are Spatted Towher seen.

Cedar Campon, 5000 ft., Providence Mls., In Bernardino Co., Calif.

38-247 Explicagus audubori: plucked, hair to show new pelage coming in; Contains Dembryos.

Tap view showing New hair coming in as dark spots. If Isypan; f22-3 seconds.

R. Aldricky

38-248. Same as #247 - Vintral view showing mammary glands. J22-4sec.

138-249- Same as # 247- Side View. Fengthe from pasteries end not including tail) to farthest anterior part shown= 115". 122-5 sec.

May 29, 1938 38-250 Escelaperis magister on Grante rock in wash near comp. Inout to ances = 1/2 mm. ances to tip of Tail = 1/2. Colors: Iris, seddish-lesown Time scales abound eye, gellow including 1st 3 expales be hind. Side of head + labial, back to collar, gray, lighter beneath eye and in oral region. Top of head mottled gray and fellowbrown. Hostsum, light brown. Gular segion pale blue, despuing posteriorly. Seneral ground color of book neutral gray. reel and scale edges brown, expedially posteriorly Baint and independer stripes of faint gellow ( sow sunning down neck, about 18 scales in middle of back, mattled with blue seales of side mottled with black and neutral gray. Hirregalar vestical stripes and other scattered scales bright lemon-yellow. gellow skoles sed at base, especially antisionly Sides of bully turquois blue Ventsal



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E. aldrich

(asex on chest and anterior to vent neutral gray)

Part of selly indigo, Tail brownish gray

dossally lighter ventsely. Tegs and feet

gray. Isapan; 122-20th.

38-251 Same as#250. In skade f22- 5the.

38-252 4 Scelaperus mages ter in same place as # 250. Snout to anus = 99 mm. anus to up of tail = 123. Colors: usis, gold. Side of head grayish bali to block coliar. Carker gray markings on seales of theek, Subolular and laral scales white. Tabials pole gray throat legether with a ruge of por escorly. Top of head gellowish brown, soutal and rostral regions, gray. Amall scales about and pastesion to life, erange. Boll of non c isownish-gray. Trace of state on vetebral scales, and light orange on boses and Kells of few scales just above color. Back Crossed by 4 baro of black. Expoto slightly dasker over pelvic region; one lighter posterior to these on base of tail. Sides, ground color light gray with was hof black anterior to hind legs. Burregular darso ventral lines of light limon gellow voales. Lorge area of same color scales postesion to front leg. All yellow scales have orange bases and some with orange tips. Sides of belly pale yellowish-green.



Q. Aldrich

Center of feelly white fordered by gray Jail dossally colored with 14 the tan transverse bands alternating with 13 lemon yellow bands bonds less distinct & duller toward tip). Vintral surface of tail cream. auterior legs stightly more brownish, feet lighter, claws dark brown. Propan; f22-50th.

38-253 Sameas # 252 - Shade f22 - 5ths.

38-254 <u>Counidaphorus</u> - Same ligard as # 199 full length in sun on sandy wash. Isapan; f22-15th.

38-255 Same as #255

38-256 Same as # 355 - In shade; f 22- \$ loca

38-257 Name as #256

38-258 Same as # 254 - Taile Curled around feet f22-15th.



E. aldrich

(C.C. deserticola) 38-259 Vituophis (Sopher Snake) going shotogsophie on damp sand of wash Anout to vent = 465. Jail = 73, Colors: Ground Color of duran bock and sides light ton, Morsal blotches dark brown, darkening posteriorly until last 20 blotches, black. anterior long studenal Stripes edged with black. Fateral Apoto, leghter brown, black portiriorly and auteriorly. Belly and votated side of tail very pale yellowish green nearly white. Postesior rentral 3st of snake indistinctly oplothed with brown. Iris, tannesh assaye Top of head pale olive tranverse line auterior to eigendark brown. Other head spots light brown of wentral sides of head dark brown.

38-260 Same as # 259

38-26/ Same as # 259

38-262 Same as # 239.

38-263 Portion of rocky bellside south facing slope.

Center of picture and left foreground, Jucea baccuta
in bloom. Opentie (prickly pear) in center and near
top. Vorhua and large hush on Harizon. Isopan; 122-671.

Skink seen amongst socks.



E. aldrich

- 38-264 Taken few fect from where # 283 taken. Close up of Prickly pear coetus on left (
  and Opuntia parryi (3) on right. Comparite flowers
  in foreground in press; also Blue and white Ligure:
  bush. Isopan; f 22 tor.
- in white dirt by ammospermopiles. Voshus on horizon along with Salvia Cordosa, Opuntia parryi (?), and bushes in wash in press lsapan; f22-8.
- 38-266 Vow of South-freing socky hills ide
  framed by Lookea on left (some tree as #
  265), Carlow of Norse in foreground used
  to catch Coyote (Vohnson-Couple days ago) and
  to attret Buygards. Juceas cactus, Linyon,
  compass on slape. Cleart Aparen now suging
  from this slape. Josepan; file to.

†mi. NE Barnurll, Son Bernardino Co., Calif.

38-267- View from divide looking West showing New York Mrs. of Providence Range; framed lay Voshina on left. Vegetation on slape From where taken includes eaches Jueca baccata Jumper. Isopan; f 16-12, K2. Barnwell in forground.



E. Aldrich 1938

- 38-269. Same as # 268 agfa#17 filter deep end; f13 - Tath.
- 38-270 View Taken from Dame Apat as # 268 looking opposete direction, about East A howing part of toothe mits, on sight. Occasional vinipers on hills in Jongsound. f 16 - Ta; Ka; Kapan.
- 38-271 Clump of Coetus 14" across. 2 Kinde: Cereus englmanii (smaller & ourt) and and Opuntia (3p?), Color of Circus flower = purple. Those of the other = lemon yellow with green Stegma. Dapan; +29-toth.
- Nevada State Tine, 3700 ft., 25 mi. E. Nijotox, Cales.

  38-272 View of divide of New York Inte.

  Loopan: f22-\$; K2
- 38-273 View of Clark Mt. f22-8, 1/2

Mescal Campon, 15 mi. W. mescal Springer, 5500 ft, San Berner ina G. Sale 38-274 \*View looking up mocal Campon. Major vegetation is: Pinyon, Luniper, Voshuce, much caetus, Jucea baccata, agave. Isapan; f18-70.



E. Aldrich

38-275 Agave (?) 6 2 tall (green flowering shoot)
in foreground and Blooming Guela.
backata in back ground duright.
Asapan; f 22-5.

38-276 View of Clark Range looking Worth from to turn off to Ceina from main Nighway, framed by Lookun on left. 5 P.M. Isapan; K2; f22-44.

Cadar Congon, 5000 ft. Browidence Mits, Non Bernardino Co., Colif.

38 - May 31, 1938

38-277. Forage diggings of Whip-tailed Ligard in sandy wash. There are 4 in line. 6"
suler for comparative size. Isopan; f22- 5th.
Newspaper weed as seflector to leaves.
blackness of sindows.

- 38-278 Same av # 277 Clase-up of one digging near other 4. Ruler for comparative size. 122-8
- 38-279 Same as #578 Different but similar burrow-in shade beneath I soels. Isapan; f22-2 sec.



E. Aldrick

38-280 Shade habitat of Whip-tailed ligase beneath Excess in Sandy was "Fortail" grass at base of bush Asspan: f22-±; upover & between shadow and shale intensity.

380-281 Habitat Study-Rocky Hillside, Spacing Slope Containing small Pringer, Suniper, Crickly Pear spaces baceata, Vashuason Kargon, Ephedra, Bushes (sp: in press), Cereus englemannia. Japan; f 16-75th.

282. Expect South-facing gulch of sunning from side of leder langun. Choracteristic flat, sandy was h Contaming Lyceum coaperi and brushes so \$281.

Cocky Postion Contains Brickly Pear and smaller caches, Vashuas, Viniperso, Pinyone Chipmenks, Scelepesures magister, Rock Wren, Has noticed amongst rocky Postion.

Cuemidaphosus, immospermaphilus, Itas.

Cuemidaphosus, immospermaphilus, Itas.

Ceset Sparrow noted on flotter portion.

Asopan; \$16-75th.

38-283 <u>Penstamon</u> spectabilis (?) on side, rocky hill. One of the preferred foraging slouls wild ley lasta Hummingbirds. Seneral appearing Color of flowers, flight pink-purple. Isopan; f16-20th. Other linshes in picture:



e.aldrich

Eghedra, Printia parryi (?), others in press Background = Luniper Christon, Roekey A. fraeing slope Ester Canyon.

3

38-284 View isokling South-east across Ceder Conyon framed by was hus or right. Sandy flat sloping down to sandy wash proper at lease of rill. Foreground Vegetation Chiefly evenly spaced Figure cooper. Legelation of wash Chiefly Chrisothammus. Chief Williake regetation= Opintia parryi (3), Jamela Sosellerio, Cereus englimani, Irtimesia sidentata Curshia glandulosa, figu Unipero, Voshus. Inhabitable of wash = Brewer & parrow, Desert Sparrow, Whip-L. Tyord, Salvadora (snake found this AM. by (hodgers). at have of hill was where found small rattlesnak swallowing Gesagnathus May 25. Cassin Kinglard, W. Kingbird, Sambel Quail, Scott Priole also at base of hell. On left at have of hill is nest sit of molkingheid, Tesest Aparrow, Gray Virea, Ash-t. Thy cutteries and Block-Chinned Sparrowescen & collected near top of hill. Isopan; 122-To.



E. alariel

Framed by Joshua an lift of Juces baccate an battom. Wash with Chrisathamnus in fore ground runs into successive Levert Willow groves, Very tip of prinnable & rawing on horizon, right wide to gap. Wash trapped en trummely by Valusan, \$16 to; \$2; Sopan.

38-286 Workings of Thomonys providencialis showing forage burrows when gapher has taken slims of plant (sp? - moreus along with other Common passes & plant in vicinity of holes). "Ropher Chooses invaliable stem plants in preference to valuable plants (Felase etc hunchgrass, etc) for Cattle 6"ruler, for sige). Ropan, f22-841.

38-287 Saelapones occidentalis lie-seriatus
on rock in wash. Snout to vent=82.

Fail = 113. Colors: Asis, bronze Amall Seales
around eye, brownesh-yellow. Side of head, dark
gray; spots of light turquois anterior to lar and
below angle of Jaw. Top of head mottled light
brown and black; spots of pale turquois. Buck,
black, dowal-lateral lines gray. Scale centers
Of back and sides, turquois blue; gelateral
lines, lighter turquois blue. Fail dorselly



and laterally for proximal 3rds Covered with blacks - edged, turquois blue scales. Vestal Un3rd clossally & laterally gray-brown, leghter ventraly. first 326 pt all gray Ventraly Claterior surface of versures and former block with unquois spates. Kest of legs and feet gray mother with some black. Ventsal surface of plans gray; orange en region of Jemural pares, light work of orange posterior to femoral passes & on Aust Goot. anterior legs, light orange, feet lighter (ventraly). Trange along poo urion edge of preunal scales and posterior towent. Oranal sigion same as ventral volor of as ventral side of lest gray, This Color extents, forming mid weiteralline on hely. Contrally medially a few white Stales. Sides of belly indigo, bading to turquois laterally. Chin gray anteriosly, black Posteriorly. Ladigo paton in throat, Black separating this from gray on hest. Asopan; f22-6th (side with missing toes) 38-288 Same as # 289 (other side)



Elmerdlerich

38-289 Eumeres (Skink) on sand buside wast sand in wash. Anout to vest = 83 mm. Tail=140 mm, Isis, black. Head (Top), And dark burnt-orange. Upper and lower, labials Abright orange slightly reddish. Throat and gular segion salmon facting to pale Cream ysean with toucher of blue In each scale to top of tall including entire ventral surface of body, tail and legs. Back olive fading torbrighter green less brown on tail. Laterally on body and tall storal color hades to untral color, Burnt orange an top of head extends as fine mottling our dorsal olive medially to half of i head and bady length. Soles of jeet and tres ventrally olive brown, Isopan ; f22-6th

138-290 Same as #289

wash. Snoot to vent = 105. Tail = 197.

Colors: Isis yellow, back edge blink, Top of
head, light Gellow-brown, groups k posteriorly.

Sides of head: Fines white, interspeces brown.

Ventral part of had some as sides onteriorly foding
blending into dark gray-blue central area next
to block Collar. Collar: one blacksing nearly
Complete around neck except brakes on back.



E.C. aldrick

posterior black band extends only accross autision margin of collar light Eseam. middle, light bond trange - cream bardered with white, 2 dossal spats in collar, yellowishbrown. Ground lolor of back, grayish alive fading to grayion - alive posteriorly. Bossbass of dull brownish - orange . spots white. Tail grayesh white below, brownsh above, heavily splotched with brown. Gorsal side of hind less brown with white spots and setterlations; yellowish wash of gellow on anterior side femus & darsal side of feet & toes . Legs ventrally, creaminhwhite, Femoral pases, tan, anterin lego: Dorsal side bown with white postererly and yellow anteriorly (more yellow), losbal side of feet + toos yellow, Kentral side of feet creamish - white; mustral side of legs white; spets of gragist brown. Claws brown dorsally, tax ventsely, Belly Creamwhite medially, neutral gray laterally white & speckled with black laterally. 2 large, black inguinal patches. Sopon; f32-8th.

38-292. Solvadora heyalepis photographed in Sand polin wash. Snout to vent=575 Tail=173 mm. Colors: Dris, yellow and orange - edged. Top of head grayion - tan posteriorly grading to tan anteriorly



E Aldrich

Sides of head lighter tans head ventrally townish white borsal lateral lines extending from head to went dark brown, lighter anteriorly and posteriorly, Vestebras area grayish, buff, sides more grayish. Belly flish color laterally, cream color medially Tail, grayish tan dorsally and laterally, cream ventrally. It span; factor for

38-293 Same as # 292

38-294 Flat bottom of Cedar Luyon & howing spring of bushes (Chiefly Lyceum). Habitat of Cuemidophorus, ammos permophilus, Thomomys, Sent Aparrow, Bruner Sparrow, Washin background. Superpan Crass; f 22 - \$5+4.

38-295 View of Reddish Bluff with main wash of Cedar Canyon in foreground. Bushes of wash mostly Chrysothamus

38-296 Close-up of tail track made probably
ly Cremidophorus as went in partially filled
Chumo-spermophilus hole. 6"ruler for
Comparatur size. Superpour press; f 22-15th.



E. Alduch 1938.

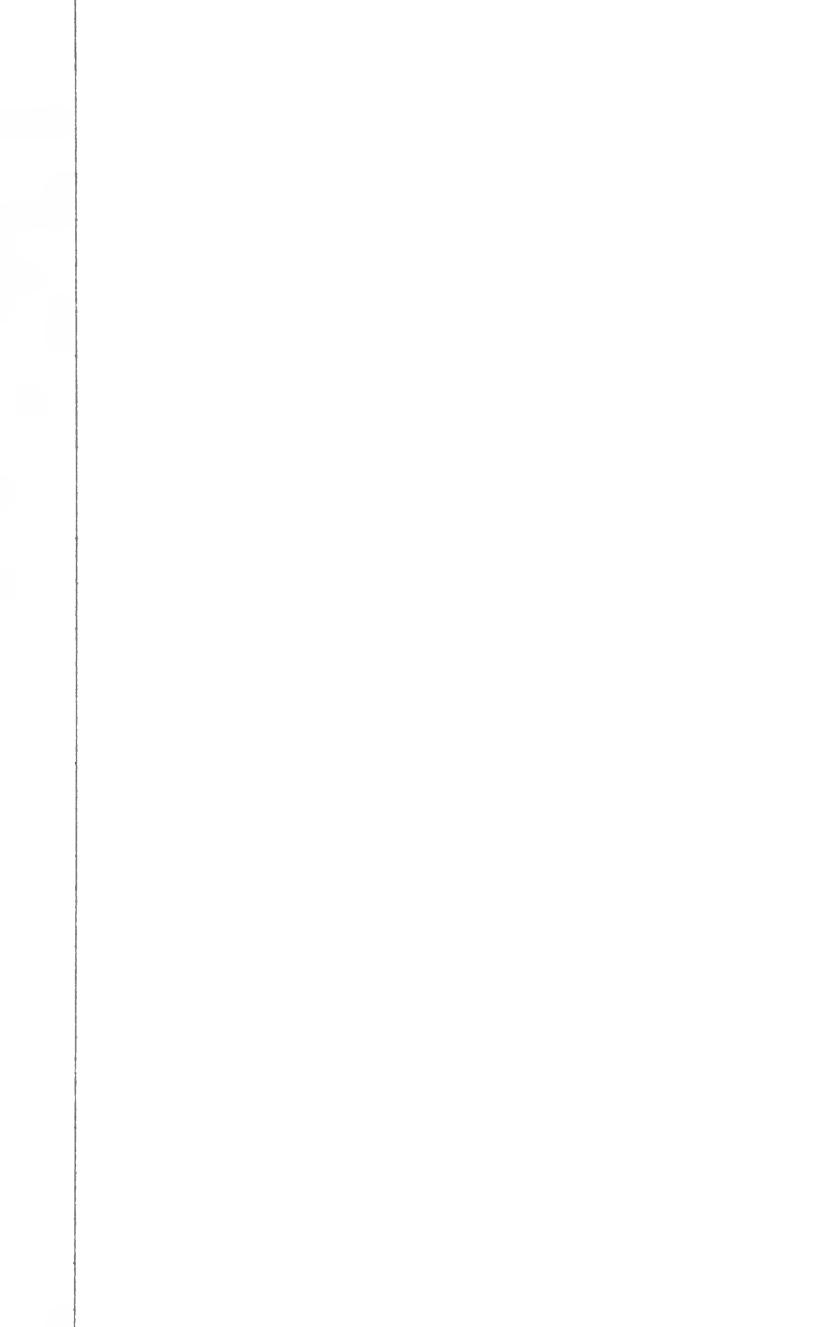
> 38-297 Bush and Shadow Habitat of Caemidaphorus Taken for Tom Rodgers. Bushes are Lyceum. Superpar Bress; f22-1571

> 38-298. Simper-Pinyon habitat with Geneta parsyi (?) in foreground, Jucca mohavessio. in tenter background and Jucca backata, at base of Junipen in center. Habitat for Poorwills (stop sidge). Superprin Prass; f22-6th.

38-299. Group pictuse taken at noon at comp in Cedar Canyon. Left to sight: Elmir Ilduch, Clab arvey, Savid Cohnson, Cr. Einnell. Superpan; f 7- Tork.

38-300- Lame as #299





Ecolomich (1938)

## Daily Comment

\* = "see species accounts \* = "see protographic Notes"

2 mi. ANE Cima, 4100 ft., San Bernardina C., Calif. May 13, 1938

After sew stops on Tedachipi pass lamped for night about 10 mi. E Majave. Of interest was hearing what I am told was Ongchomys: a high-petches squeal of about 4 sec. churation, examely high and basely audible. At least three individuals were heard and some about as close as 20 ft; after dark.

Birds seen that evening and next morning before leaving: Sage Sparrow (heard singing nearly Everywhere), Sage Thravler (2 seen), The Conte Thravair (2 seen, one singing) Western (3) Kingbird (one seen flying over)

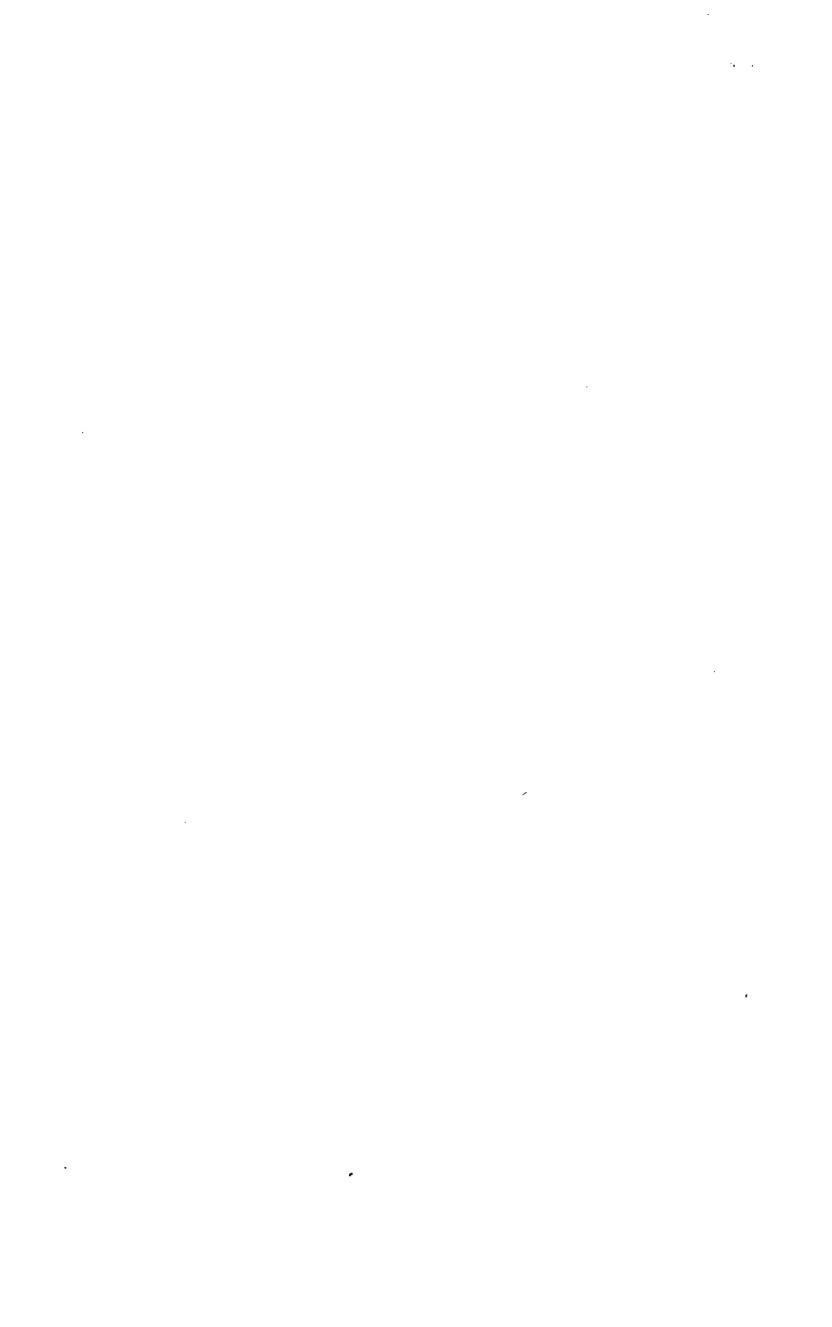
Just for tehachere pass, from
beginning of grade to 6 mi. before reaching
monolith: Golden Eagle (2 adults sun soaring
100 yds apart low over us) borned fark
(many lower down), bestern meadowlark (2),
Limet (moting under nish all culvists),
West Kinglies (several seen), Western Bluebers
(sew seen), Roven (2 seen), Jark sparsone
(one seen), Mourning Love (2 flocks afabout 15)
Mi Swallow (sewest around born)
Mt. Blueberd (one & seen fing across road)



E Olarieb

Colif. Vary (2 seen), Lay Phoele (2 seen + heard) Bullock Osiole & heard), West Wood Clewer (one reard), Clain Titmouse (one heard) ashroller Lycatcher (2 heard + one Collected, arvey), Journe Goldfinete several heard flying own giving ti-der ti - der Call), and Horned Owl (one heard giving 3 syllable call in Shee Dak Belt. Snowy Egret - of interest was the skeing at Baker, Lan Bernardino Co., a knowy Egset in the muddy stream near he his way. It allowed on approach afabout 30 yes of with 8x binoculars could easily see the lack bill, black legs and gellowish feet. When it flew the Characturatie hast wing beat in itself would have distinguished it from the larger american Egset. Birds of intred: English Sparrow (surral), Cowbise (2 collected - arvey), Bullock Osiole mourning Have. Intimery for comp headquarters ubterwood of May 12. - set up comp and in eve went in search of Coorwells

Just Census: - West Kingbird (one pair), Strike



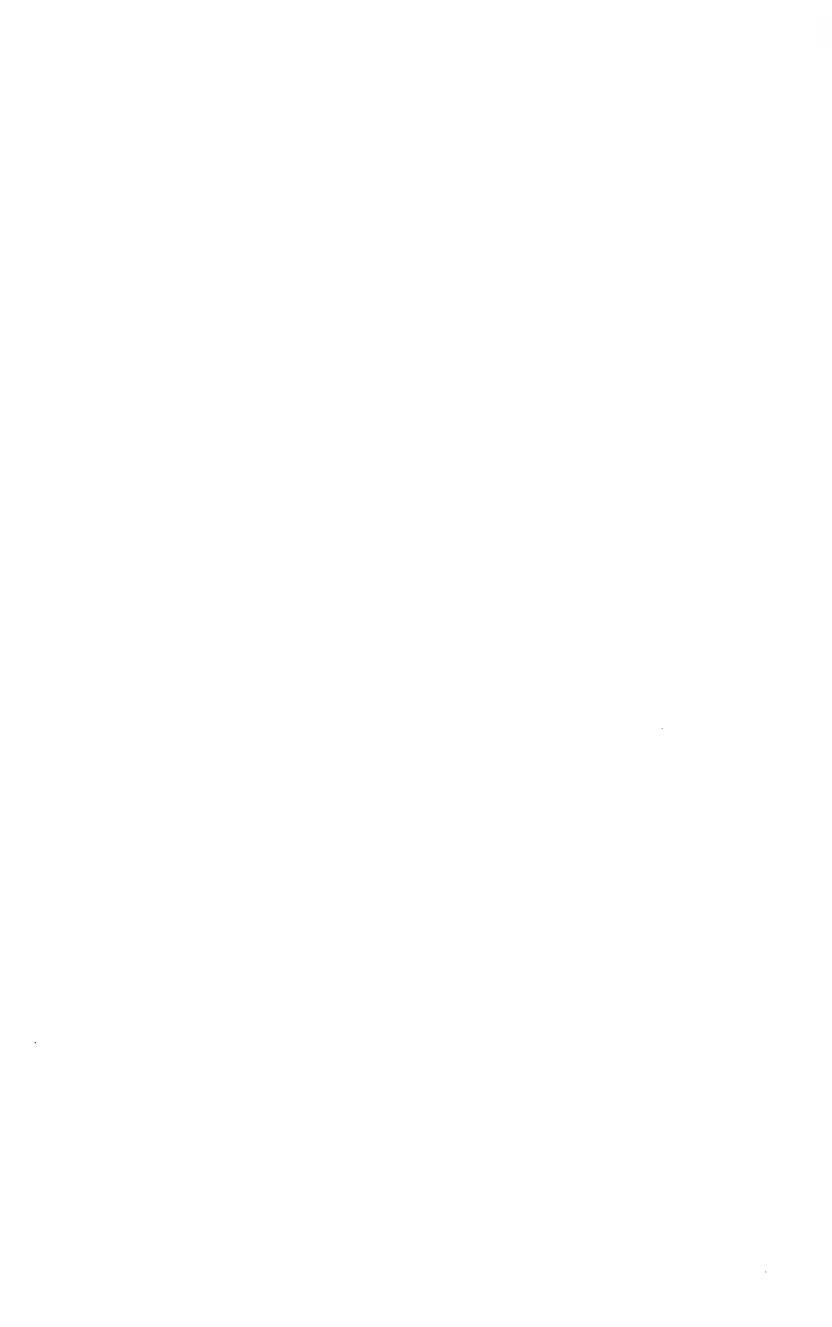
2. alanch 1936 (2 seen), Sparrow Hawk (1), Sesert Sparrow (many), Ked-winged Blackbord (2 sein-1 coll.) Te Conte Thrasher fabout & heard) Tusky Vulture (one seen), Summingfrid sp? (arvey one sun), Tinnet (2 heard), Green-backed (3) Galdfinch (heard several in distance), Coorwill (one heard Colling several trunes near camp May 13, 1938 Stinery Stayed nearby comp in marning & afternoon went E. to Railroad Track. ash-throated Thyratcher - saw and heard about is. Flycatchers though abundant hear field sometimes differently thou expected. ask-troats were seen many times perchang on low bushes feeding on the ground where walking rusette seemed more abundant than Alying insects in the air. Western Kingburd about 11 seen - one next found. Hurt Sparrow (about 25 seen - rang suging) Turky Va live 2 seen seem to come a watring trough), Scott Briole (3 sein - 283 × 19 feeding on blossom of cactes), Horned Lask about 4 seen ! Lage Sparrow (arvey says found next might be Brewer Aparrow, Lage Thrasher (5 seen, 2 singing), Woodpicker (sp. ?- Johnson one seen), Quail (Sambel?) one seen & one other heard, Brewer Aparrow (3 seen-probably nest of this species-3 eggs)



# Mockingbird (3 seen - all singing)

May 14, 1938

Weather today, Clear, hot, with medium west wind prevailing from the west. Spent morning in large, wash E of camp about 2 miles. Went in search to photograph + the desert tostouses that Johnson saw & last night and earlier this morning. Arrived at the hole where they were found, but they were your Ihrs. after to snown left. Combit area thoughten for onyto around, but couldn't locate that on way a 3 scott Isiole bot ervey putup. Found a used next of this yr. almost undoubtedly of this of a shrike. On way bock found a sattlesnake on in shade of Joshua tree; spent Fir photographing it +. Found a nest 5 up in foshua; is very hulky and probably is a stage Thranker. Is a next of this ye and has had young in it; found feather scales present; Johnson shot a couple fledglings mear camp. In the afternoon also went to the rig wash but much faither east. Here spent some time photographing the next and eggs of a Bruver Sparrow + and a Smut Sparrow + as well as habitat & lora photography At dusk while loading plate holders heard a Conwell Calling Close Leg.



May 15, 1938

Weather restially Cloudy, cool, and wind of gale proportions belowing all day from SW. In morning walked W of camp about 25 mi. N to Imi. to shack that was dusted, back to camp. Have evidences of some large hurrawing mammals (see photo extely) probably Kit for or Badgery. One was quite brush & thought cauld see recent foot prints slighthe covered with dest blown by wind. Alxo saw large. diggings in squirel boles that looked like badger workings or passibly has or Coyote. Thenwere of two types and might indicate a difference in predator: one with digginge lathallyon each side of the squissel (?) hole (TypA), ( ) mound Typ B,

and the other a more flathed digging going directly in after the & squissel bussow. The latter may indicate a badger us it appeared asthough digging was done from a low angle. Several examples of each of these types were found Noue were intermediate in Character, Spent some time watching a swainson Hawk about her nest with an eye for determining ways of photographing her. All plans dropped due the gale.

Type A.

		·	

E. Marich

Cet the deserted & hack observed sections of Say Phoele \* about the next located ruside. Timets were also around here and suspect earlier in the season have nesteshere. In shalk was much sign of Wood Rat. In afternoon took a short census walking W12 mi, E13 mi. to Water tank, Back to Jamp 5 mi. Weather unsuitable for cerais as well as photography; Not all the species auticipated were seen. One Say Thrashers \* nest + 4 yng. was found with parent feeding. One thing noticed was tending for birds to next in the short, dense fortunes. although none were found occupied some looked very fresh, but couldn't be reached because of boriede of guela leaves in way, most all looked like the thrasher or Tanselinghist Topel (very bulky of thorny twigs + I deep and about 8" wide) as many as 5 such structures were seen in one small for me : O'tall, e Wood rat mests were found: one a mere double burrow in the wood of a Vashua II base with the hurrows running into the ground; the others were located in Changes of Jueva makavensis either on the ground or up to 4 in hl. Dr. each instance many ferre present.



### 40. UNIVERSITY OF CALIFORNIA

### MUSEUM OF VERTEBRATE ZOOLOGY CENSUS SHEET

	Locality Jim WE Line , John &	Nature of route (life zone, fauna, habitats)					
	Date.	Freeze 1200 Com					
	Observer # //////	E. A. C.					
	Time in field.	1.22		W 25 2	<u> </u>		
	Approximate no. miles						
=			1 4 - 1 · 1			TOTALS	
/	22	022 7 23 2 1	the same of the sa				
	Hound Love	(2° 3)	2:4.				
	Marine		₫₽				
	V Karani						
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	TOTALS (hourly and grand)		125				
:						1m-4,'37	

Spirit SM photographing W. of supp 3 me. Wint to the Swamson hawto mest found eggs still embatched witched fior some time a & Caelus Woodpacker degging on the house the winds giving notes very similar to Sowny. Was also observed to earl from woody house of large branches operation. Of note was the seeing of a Burn dwallow covering low our ground and but 50' from me. Ha afternoon spint phatographing habitats.

May 17, 1938

Naw flock of about 10 Mauring Loves fly

aver camp in early AM. Went to Cima +

Kessler Springs in morning for mail +water. On

way back found lost a Kummingling \* Nest + 2 eggs.

Spint morning photographing it. Nearly

bound another rattlesonake (openinen). Inclinent

weather (thander Shawes in Afl.)

Took Jahnson to Museal Aprings and the west to las Vegas to have canna repaired.



May 19, 1938 In formoon spent time photographing. Neard the Swampay Sawk Calling in distance man next docation. Only birds of nate seen were two Bank Swallows, And Chance to view underparts with linoculars + saw Whitish throat, dusky band on breast, and light underparts. Tail was too deeply notched for Sough-winged Swallow, Back dark brown, not indescent, backed &left Camp for new Camp in Cedar Canyon, Stopped on way at C.H. Thomas sanch where he pointed out to us a sparrow bawks nest + 4 eggs, and a screech Owls nest+ 4 yng; Both in Vashua Stubs near house & about 30 yss apart. Will shoto later. Will enroute to new comp saw many Wood Vewees on Joshuas. Passed three wash land with Sexet Willow This trees is just beginning to leaf out. One Sambel Qual Seen / New Camp is sacky in location In Vinyon Luniper Cesso, mifed with Voshuas.



& aldred Edar Canyon, 5000 ft. Brovidence Mis., Son Bernardino Co, Colif. May 20, 1938 In AM drove to CH Thomas sauch, 5 mi. SE Cima to photograph Sparsow Nawk at nest. Not was difficult and seeupeed enlise morning + part of afternoon. Geturned to comp and hilled down Cidar Canyon about 2 mi, List of birds seen or heard today: - Gray Titmouse (one seen and about 3 heard in Enyon & comper of bead Man Canyon [DM] - Wood house Jay (3 sten & heard) - Irlen-backed Goldfinck (4 or 5 Noen & heardheard singing nearly thrusuit day, Expecially active about certain Junipers one seen Carrying nesting material) - Lead - Colored Bush - Tit - 3 pairs seen in Dead Mons Canyon - Individuals of pair Stay Close together foraging mostly on outer Golisge of Jungers & Tingens. - Western Enatcatcher Colout 5 heard on way to Thomas sauch occurring in hillsides with Jucca manaversio, & Joshuds, Berril & Crickly Clear Cactus. Only one was identified & it was of this species - Casta Hamming beid - Is heard more than seen. Hear & giving seren like dower dive. one 9 seen.



E. aldrich

- Finnet ( Is a common bird everywher - In Joshua Forest & Jumper Chiefon - One & seen feeding 2 gag out of mest. Cactus Woodpecker about 3 heard & one seen-Often giving note similar to Sowny Woodperly I whinning call also similar - never was to give snote similar to Nuttall Ush - throated Flycatcher Seen wery where but not common; of the seen in seem in eather Voshua, jucca, or umper belis) - Cowlind (2 seen I heard giving whatlestike Calls flying over Comp, - Western Tanager several reased & seen giving notes & I heard singing - Proise Falcon one sested aton sock near comp-seneral light arm puts noticed) "Gellow Warbler one heard singing in dense green busies near comp amongst Leures by was h - Scott Oriole money heard sounding like meadowlarks up Adown Cesas Campon, but only 2 seen - seem wary of approach Rock Usen (one heard off on about comp serous work ou rocky extens slope) - Morning Soud Common - about 25 seen at once at water at Thomas rouch - Heard I sæn about Comp





E. aldrich

over the sump Clearly visible Empedonay sp? (about 10 seen - none heard giving notes. Some appear to be nearly totally gray beneath and deries with very lettle yellowich wash others are bright alwaseaux yellow beneath. most of theme perch low in brusi on relisides or in washes Oceasionally one seen perchet ugle on comper stude - Good Lewel many seen perched low down in brush of washes, and right on lumper Hernyon stubs, and on I, malavenses. Course Call or song only heard decessionally. Epopulancy + Vewees seen close together) - Lorue h Owl nest + & gaing in varing stule at Thomas south - des ergo tox & photo later) - Sparrow Hawk - , lest + 4 agg + 3 Theker Eggs in Loshua stud near Owl next. Description photo later) - Western Kingbird (one seen mar Camp in Cedar Compan - seem to be restricted more to lower levels - Convill (several heard at dusk near camp) - Normed Owl (one heard after dark)



May 21, 1938 again drove to CH. Thomas ranch in A.M. - stopped on way Chimbed simmacle located 2 mi. This side ranch. Sput nearly entire morning there. Observations of note supplementing yesterdays list are as follows; - Compon When one seen carrying feels down from Cliffs of simusele - neard singing there often - White throated sweft about 20 men at once an punnacle-Calling most of the une and 3 copulations in air were showed) - Line Siskin one peard flying North across Cedar Conyon giving high screech like note while flying in undulating pashon - I dentification was unmistakable, - nd Bluebud one pair seen · 5 following + flying alross Cedar Canyon - bosned back I seen on flat at summet at head of Oldar Canyon at Bench Mark 5167) - Suike - present [nest + 2 gng + 1 un hatched egg] at CH Thomas sauch and one seen at B.M. 5167) - Crairie Falcon (one seen hovering over bluff at

head of Cedar Canyon)

- Wood house Vay (one heard on locates - guesa hillside
near primarele; one seen Calling a loss Lingon
near camp)

- Tolmie Warbler (one seen in Chrysothamnes by

Tolnie Warbler (one seen in Chrysothamnus by soudside in dry work of leder Carryon beside

Sesest Willow about 3 mi. Sw Camp. - one collected near camp amongst Brickly Cens exclus & large grun bushes beside wash at very base of hillside)

Jellow Warbles (one heard singing 4 times in

- Jellow Warfeler (one heard senging 4 times in Name place as Talmie above. - Shot in same place in afternoon)

from where Tolmie + Iplace Warshir taken. This was in the Compers, however, where the others not seen)

- Esay Vises (one hast + was shot at as it was giving its typical Cassin type song. With glasses could see just a light esse at love but not slistenet and running around the eye as is Cassin-Call song) in differs from Cassin in that There is lass paint of its song thus appears to run more together; also there is sometimes arranning down works at the end which I have never noted in Cassin.

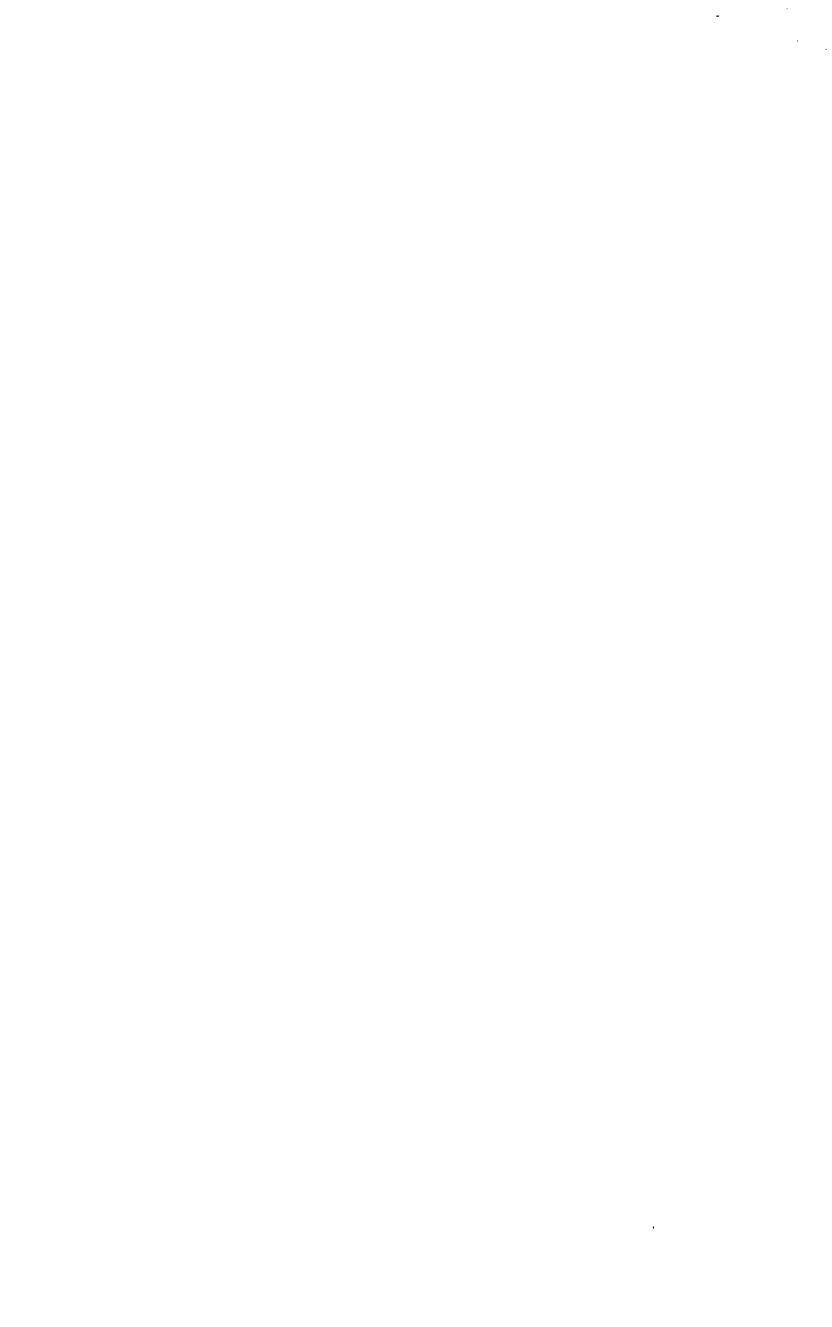
be Warbling Cassin, and Gray.

to which it flow from Chrysothamnus of wash Abot at leg arrey in same place that Jellow ararbler was taken; Bird was frightened by us + Chesnut Crown

		•

2. aldrich

patch exected nearly perpendicular) - Corwill (about & heard at once from rocky hillseds about lamp. answered call & hatone) - Assech Dwl (one heard Calling in side Canyon - mar Camp) - Rolden Eagle Johnson callet my attention to Blirds vailing over campeasing this marning; I were Eagles & The other a Turkey Pulane Sendral angle of Values winge & selveres undersurface no wable bolls a sow saiden nedd - Crossbells: Sew flock of Justs Einter Way wing size flying & circling over camplarly in marning sound notes that seems in pairs I may be called "cip-, Ego, very o past I stacatta. Ung beat slown than laywings Fight was look of Couldn't distinguish Tolars with glasses - will sumed langer than Wax singe ash-throated Fly cotther (one found building nest inside Jemper Tub (photo & descriptionlater) Is packing for of some kint in Montperies like - Statt Oriole Found 2 nots that look yoursel oriole of light brown filess in lunger near Comp- & Scott Osiole seen to fly & give Chicking notes as it left a next apparently just began about 15 high in anyon-other mot in same tree



& aldrick

and about 30 up) - Tunnet (nest +? found in Voshus at edge of wash near camp. Hest to high to get to There are also young out of the next of very Jed by pasents in Cedar Caryon) - Red-Tailed rawk (found next + 3 ial grown young on see nearly virtuest face of pinnacle on West side Farents very sesturbed of the clarger of the true made seperated diversat me when I was within 15 of neol, someseing me by about 3 of 4 ther ascending nearly virtically apward, Acreaming, and reporting process. Other parent was smaller, and very dar I branx beneath, but with Red ail Flerger? was typical with sed tail & lighter underparts & dusky throat &; and her next is - Drobably high in lingon half way down Cedas Canyon about 3 mi. This side of Ginnall) -Cactus Ween (found many dummer nests and one nest + 5 eggs in Opintes [description & photo later 3 mi. down Canyou Cliff Swallow while Climbing punnalle saw a Jby by below me of 30 away-Downsellish Juff rump + Cream-colored partch on forehear; identification unmertabable - Rock Aguirsel - one shat atrack pile part way down langan. Rolls to keep wash away from croad - Quather seen amongst tales of



E. aldujh

- Injutus subulatus (about I doz. fraghtnud
out of expoliating granite near top of
Cinnale. Caught two with hand. They were
frighted when I walked on top of the coald.
Case I averaged about 5" wide of the coald.
Case I averaged about 5" wide of the coald.
They were
downward on a 45° angle facing East. When
they left they soon Superced of flew in
largae case is nearly)

Inay 23, 1938
In afternoon held down wash to do some collecting and photographing. Observations of note for this afternoon + morning;

- Combined (saw one personed an back of very lean bull in wash-had to frighter bind brook before could shoot)

in cactus (Dountia). Of interest that & noted was the snipping off of the paints of the thorns of the cactus light bird. Therest time it approached or left it powed to snip off about 8 or 4" of the thorns. It always left with some difficulty even when in a sush When arotubed only enough to make et stand on the next, et had some difficulty in turning around to again sit on eggs. Beid was not wary + would allow on approach of



a rout 3' Defore flushing. Return to mist was always quite direct and usually it would power shortly at lower branches of caeties.

- Gray Visco (was just about to shoot a virea xinging like Cassin in Brush of was I in side campon of Cedar langon: deally to watch however and it flew into bush about 4' Tall & was an next-will devesile & identify bush later.)

In A.M. went to Pinnacle where vertex couple days ago. Spent some time attempting phalo of Collies Ween at west, without success let top of pinnacle found no present Ced-tacks Hawks. In aft, searches for next & hunted ligards. Observations of note for today:

- Coste humminghird (found next regg in Openha apt on at foot of pinnacle. I around & nowary, may photograph later—Jong-Tailed Chat (saw one near comp at lust, was in shrubby funion at slige of pillside on shady side. Saw sey ring an yellow breast; Ino notes)



E. Aldrich 1938

> may 24, 1938 In IM till sive delock went NE of comp and clombed tencercled a prominant red bluff with cleft faces about about 100 high. This place in general particularly devoid of onimal life expecially in raptors that I expected would bethere. Low 3 large, bully stick mests that might have been used by Red-t. Hawk , Solden Eagle, or Rowen. No sign (other than one white washed ledge) of what might be a Prairie Falcons Hongout. White-throated Swifts were pusentin the Sandstone eliffes; about 12 in number, In way up found fairly large Rattlesna & that was different thou those I found at lower livels. Did not buy till was to away and for safety blew with shat gove-skinned specimen put up leg T. Rodgers . Kocklerens were seen carrying Good to sport on slike; one Collected. At lease of Cliffe were noted mourning doves and one knew tailed Towhere shot out of Junger. Chipmunks were seen commonly amongst socks and strings in Brey Vises on nest in wash. Atticed many yng Cotton tails out (are about 6 "long) in Evening west apside Comyon & heard & Pollester Beefo sunctotus near where is trickle of water which maybe permanent.



E. Warrich

Day 25, 1938 In AM. troursed back & forth ridge Sw Comp in search for Coorwill nest; unsuccessful. In afternoon hiked to upper country I of carap where could look down on last camp & aina all this area is covered with Unyon & Vaniper, and near rulge overlooking last comp are enteropersal Joshuas & much Coctus. Sung of Cattle + burrows found nearly everywhere Observations of note for today: - losta Jummingbird - Found our next+ legg on Cinyor limb (15 dia) & shades from above by limb. Bird about & anxious. - Voorwill - found no vale of this hird but Sow penty of good meeting sites fallen logo, the debrio. His from this stope that Proswilla call latin evenings. - Cowbird - several seen during day - Woodhouse Vay - nigh on Nordge found 4 young out of next & able to be rought. - Junco (sp?) Law & shot at herd that

Hoodhouse Vay high on Northe found 4 young out of next & able to be rought. Sunco (sp?) Law & shot at bird that was definitely a vinco. Looked as thought bird fell, but couldn't find it. Vas perabed about 30 yds away within group of Eshedra + old coethes times. Was singing: (seconded on the spot) Tiese, tree, tree - eddedde; the

fint part trees are petulant & almost quatcatcherlike. The last part is a trill slightly lower in



E. aldrick

significated averaging 10sec. intervals, another similar song heard be kind me Ifter shoot, saw nor heard be kind me Ifter shoot, saw nor heard them any more. Head was intilly plate gray, bell light, almost white, and with much russet on back. Was not Black-Chined Sperrow, as have heard them I seen them before. Was a funce of some sost I had no black at base of bill.

May 26, 1938

In SM went down wash of leder langon

I spent photographing lesay Visio again and
others. In afternoon walked farthe down wash

nearly to Prinsalle close to CH Thomas ranch.
Observations of note for today:

- Pattlesnak - With Rodgers in AM. saw sensel

sattler attempting injesting of Perograthus longimments

in sunshine basise attention hush. Pattles on

small that noise made by snake was

very high sitched & corresponding higher frequency.

attempted to photograph, but snake regargitated.

- Caiar Waywing - saw and attempted to collect

a 8 singing atop Chilopsio tice.

- Adar Waywing - saw two and collected and

Grom same Chilapsis as allove.



E0138

- Washing Vira - one heard singing on same hillside as Isray Visio; Sumper Prnyon-goicea slope.

- Gray Visea + See photographic notes

- Gray Titmouse - Found young out of nest

following parents around, also sow

adult Tetmice digging in author pits,

and hunting for them beneath on trees

on the ground. Adult Titmie also seen to

forage at the bases of Jucce baseata.

- Screen Owl - Found next + 6 young in

hole in dead Limiper near comp-later to

be collected.

Early in AM wint with Str. Simmell & D. arvey to Sout wales where a part some time to alling for Bench Mark and observing ruins. Spirit about the abserving & collecting. Thence went to Rock & prings + was shown historic place where army stational in sighties. Spirit part of afternoon photographing reptiles aided by T. Rodgers. Observations & lists for localities visited, today:

Sovet Holes - atop divide and more typically Exact Basin Vigetation than where we are camped #:

Yew Vanipus in Cestimisia & Persohia. Occasional
outcrops of large bronite boulders.

- Crissal Throsher (one seen and shot from fince pasts



E. Aldrick 1938

> First seen in dense artenisia; later proved to be immature (bill shorter, loose feathers) Woodhouse Vay 2 heard and seen in tall astenuesia mas to Junipers) - Dosest Sparrow (most Common bid at don't Holes in paiss-saw about 12 - ash-throated Flycatcher 2 seen in compas) - Usestin bingfiel (2 sun on bunger) - Scott Oscale one heard singing from stop lumper) - Normed bask 2 heard passing beer - Open stretches in artemesia hearty - Lowbird ( two seen in barnyard - one found in water Tank; Diewy) - Western anatoatcher (one pair reen in dense ilstemesia - Western Tanager ( one I seen to fly from clease atensia to top of fence post) - mourning Soul 2 or 3 proliso Taying about watering troughts in yord) - Mamarab seen: Vack Rubbert 6, Cotton Tail 5, Commosper mophilus mon Comman near rack Outeraps, - Reptiles seen - Inemedaphorus common, Has Common

An AM 'till 4:30 P.M. spent in "high country" with I away N. of camp in Mid Hills of providence sauge.

Spent home taking Census, phatographing habitats

ABrewer Aparrow t, and attempting to Callette



E. Aldrich

Luncas seen before and Black-chinned Sparrows. Country midway lecturem comp & summet of med hells becomes very socky large, brown grante out esaps) mixed with large Congret Viniper. buthe washes occurs Chrysothamnus and astemesia, enderane slopes contain Jucas Iraccata, cactus and Estemesia alone. On these stapes is where the Black-Chinned Sparrow was found +. At higher attitudes (about 6000) near the summit we also found the sparrows in a Armelar habital. The birds seemed to be travelling in pairs and were difficult to collect. When flux ned the Leerds may fly soogds away in a direct line as encle about in an equally diameter. Angua posts were noted to be list he regie and low, frequently from ope of selecional Cinyans or Junipers, and artimeria. I found one nest + in arlinesea. One of the parento was less wary than the other but would approach only wether 2' of next when comes there. Song starts out right peter hed with about 2 notes nearly on same level of scale & gradually descending, notes getting faster & almost ribrature. Census for today: 24 species, 169 individuals, 85 hrs. as h throated Tyeatcher 4-Western Gnat catcher 8 - La trees so well as them Essen-backed Goldfinch 4- Seen & heard near spring by camp

Warbler (species?) - / - probably Pilealated (glause)



E. Aldrick 1938

> Innet 10 In all habitats) Western Tanager 2 - one singing, one 4 notpr.) Mourning love 13 - all in pairs) Say Titmouse - 1 (No they stay lower down?) Vingon Vay 25 - seen in blocks up to 10, singly.) Woodhouse Vay 10 ( seen or heard singly-on family of 3 out of nest) Tusky Vulture 5 (most seen sailing on swing air currents of summet Costa Hummingherd Black-Chinned Sparrow 19 (one nest +3 eggs Call, mostly in pairs Scott Brole 5 pearton singing near summit Gray Vireot heard singing in Compan Viniper ason. and once from brushy helbride - coll.) Desert & parrow 2 (seen & heard in vairs, occupying identical habitat with Black-chinned forrows. may not have appeared so numerous, belause arent singing so much or as loud as Black-c. Sparrow; von hear Black-Chunned Sparrow & mi.)! Bewerk Wren 10 (several heard singing, coll; one going out of next coll, arvey, Rock Wren 7 ( 2 on cliffs of sunmet, vosestin rock Outerops at about 5500). Old-tailed Hawk 2 (soiling together whenlift Camp) Brewer sparrow 1# one next + 4 eggs found, protos -Cont see why didn't see mose none are

singing now or one more realusing than other forevows



E. Aldrich

Spatted towhere 2 ( 2 seen any summit, one singing atop thorny, green brush by sock Outerop; other ul similar situation) Lead-colored Bush-Tit 16 (Either sein or pairs, or in families [yng. gust aut ag nest]) Empedonay (p?) Lood Cewel 2 (one Caring) may 29, 1938 Spent next AN in wash of Jedar Janyon and branch conyon where road leads to Exser, In early afternoon photographed + reptiles aided by T. Podgers. In late afternoon veut with Rodgers to reddick buttle E. camp. Observations of note: Cassin Kingland & Prairie Falcon (In H.M. Saw two cossin ringlinds, one being Chased ly a Braine Falton and the other Cossin Chasing the Praire Folcox. Kingbirds were altering different note thou ordinary and more Common Westerse; may be written as cree-dee, accent on both syclables and very closely run together. This series given in rapped sequence. Chase dedut lest long + Felcon continued lowover wash down cangon. Tight-topped tail no white on outer edge of sectices was lavily seen). - Gray Tetomouse Johnson should me next in Lingle tran unbranched, dead Joshua stule in rocky

labetat near Junipers on side Conyon of photolater ) Cedar Canyon Parent Carrying Good to next hole E. aldrick

- Black-Chinned Sparrow (3 heard singing on Collected on side-hill [photo # 284] of Codar Conyon. Astensed tridentate seems almost to be sequisite for this species)

- Horned Owl Flushes one from Cliffse in conyon near Riddish butte. Investigated all sintable, ledges without finding nest. Ofter 5 hr. owl again seen Jujing justifu up anyon.)

In AM drove with Isinnell & Johnson to Langar bally, purely, Ivanpah, to main highway + stayed past of afternoon at Mercal Springs where took list of beider. Returned by way of lina. April some time beloing to plot lower limit of Pringer - Sunipers on surrounding Mrt. sanges! Just for muscal Conyon:

- Desert sparrow (seen carrying nesting material)
- Green - t. Towker (one seen in brushy stream
bottom)

- Warbling Viseo Clock-headed Serosbeak (one & seen)

- Linnet (nearly every where & apparently nesting in

potholes in cliffs - seen carrying food)

- Coola Hummingbird several seen heeding on seed &

- Water Gnatesteher (3 pairs seen + heard giving so notes, not singing)

		,

E. Oldrich

- ash-throated Elycatcher (2 Kard) - Violet-green Awallow ( 2 seen flying about Oleffs) - White-throated Awift one seen emerging from Cliff Crack) - Red-tailed Howk one adult seen - one nest + at least 2 young high on E. facing Clift . young are as yet downy white-with juvenal Plumage on wings, - Black-throated Gray Warbler (one very lungry warbler song heard from brushy hellside. - Rock Wren (3 recorded - one seen carrying feces across conyon) - Block-Chinned Sparrow (one heard & Singing on brush (sp?) on sides of socky Cliffs have never seen this speares in this type of - Western Tonager (2.73 seen fin Sempers in bottom of Canyon Folmie Worbler (one seen giving notes) nay 31, 1938 In a.m. photographed + near comp and down Cedar Canyon. Afternoon, also photograpied, mostly

Brewer Sparrow Us. Commell flushed parent from from nest plow down in bush. Thisting period must extend over some period, because have observed young autof nest several days ago.



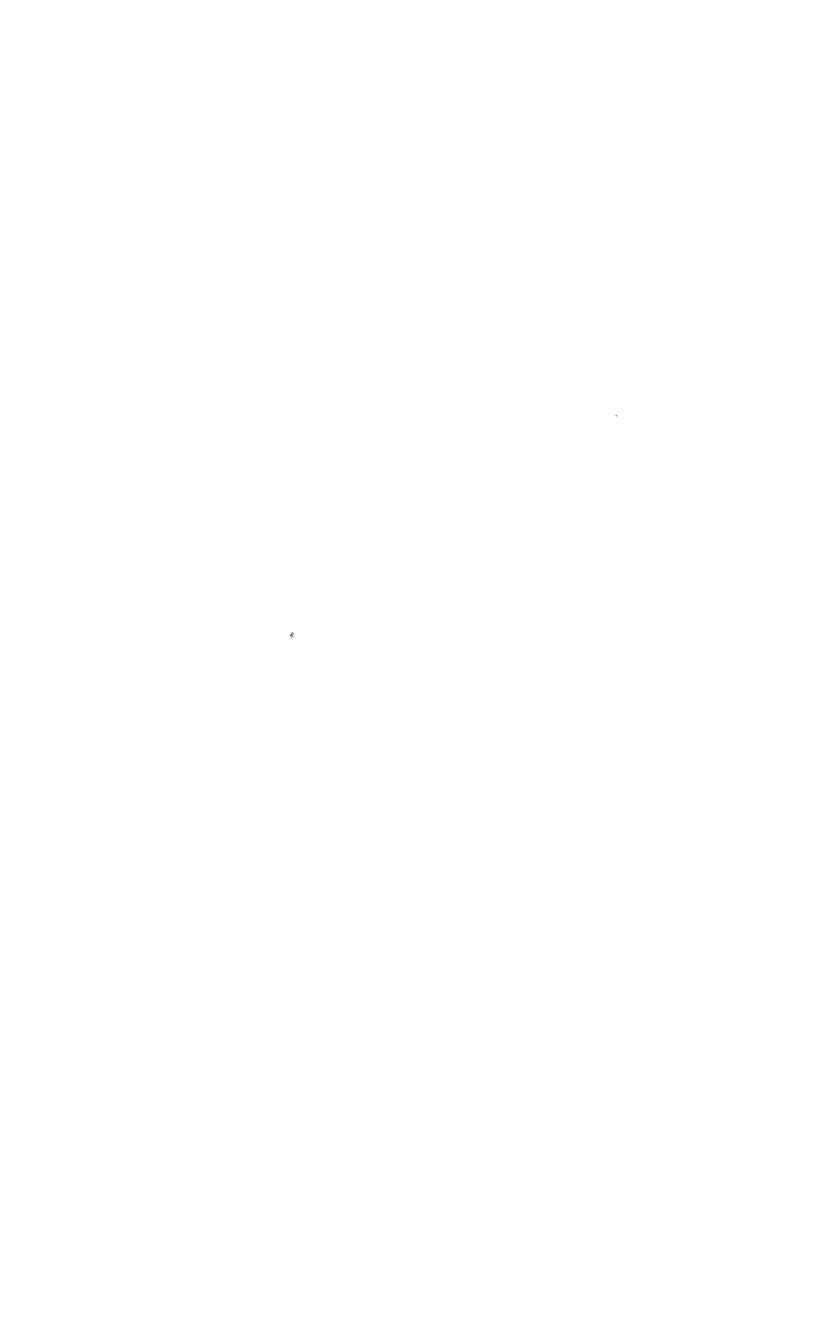
Edland A 38

- Black-chinned Sparrow ( beard & saw 3 hists on Side Cedas Canyon. These vists must be coming in becouse haven't heard their song unit seembly. Per iaps singing so more intinse their making them more abusous, thee species notes)

Same back to Besterey in 2 days with Str. Isnnell, sopping over at tall Tulase.

Spent morning of rot in Vally Mills with car touble.





## Swamoon Hawk

2 mi. NIVE Cima, \$100 ft, San Bernerdino Co., Calif.
May 15, 1938

May 15, 1938 This A.M. went & mi. Weamp to next of this openies, located mear top of Joshua 20 tall. Nest about 3' wide at top and as deep. Fined with Lashus bark fibers. 2 eggs, white, slightly sough seemed quite far incubated. But flushed at my approach when I was 30 yds, away, flow low over trees, circled quietly around me and then sailed out of sight low over Voshuae. Waited 40 yds away pastielly Conscialed beneath for his for his seturn. Waited I'm & noticed her perching on a Vashua 50 yds beyand nest tre, stayld there for 10 min constantly moving head from front position to direction of neo. While here a pair (3) of Kingheids began attacking it and then a couple of shrikes This only caused her (3) to move head more rapidly. The then flow to left of next the 30 yds Chased by a smile paid no attention ! Perched another 5 min , always looking towards next tree. Then took off as insual with about 4 flages sailed

in the strong wind over me displaying the



light throat an the broad deep buff wash across brust and distribution of white burneth the relatively thin (compared to Red-tail) cut wings, who again let on some tree to again beyond mot tree on dead simum of still-attat the Joshua blossom. Save two calls about 2 sec duration an 30 sec apart. Sound like Red-tail call but high pitched + with loss diffection and lind. With cold wind blowing I left and allowed her to come Jose.



[Spiyala atroquearis]

Cedar Comon, 5000 fl, Browidence Ms, San Bernardino Co., Calif

May 30, 1938 10:30AM have been lestening to adult singing for past 15 minutes. Let heard when sing ing atop Certinio ia tridentatia 3 à tall, fraing Sun throws head back tell fell almost vertical & opens mouth well with each note. Jang about 5 min averaging about one song per 10 seconds. Each one lasting 23 seconds. after lot & min & refter position 10 yes E on the same asterness side hell, sang for 4 minutes, pausing at first infrestigating inside of the Ephedra Bush, then flying low and undulating tail appears same length of body to another Estimesia, singing for 3 minutes; stopped singing desoppeared few ft. way in Adsubbery After 2 min. heard singing 35 yels below me in wash in Chrysathamnus, 400 far from first singing post. Long: toweree, tower, tower, tweever towce-tweesdle-ldl-ldl. Account on the Gerst note, gaining speed remning into till only slightly lower than first note. After singingen was h

sexumed nearly same pasition on side hill (3rd singing post), sang for about Train. &

stellgring. Long is olightly ventriloqual. Can be heard for great distance, yet when close may seem



very far away, to far nas been singing from " posts (bushes), all with a chameter of 40 yds. Severt Sparrow pair singing near by, no effect. 10:58 - has now moved 35 yds farther east out of usual chamete & singing somewhere within wash Brewer Sparrow singing mearly 11:00 - Thas made moved about 50 yels faither get & singing with average space between song same 11:02 - Has gone wen farther yet up wash Lis somewhere 150 gds E. of me but Singing 11:03 - Has returned to within 5 oyds of usual dia & Dang D'unes atap artemisia, Jaak 10 ya flight oward wash low over ground let in middle of bush hopped by steps to lop, near top saing once decended I think flew to another bush, song only 1st partox song as the interrupted, pause about 10 sec. Song once flux to top of Lyceum, top most twig sang Etimes, swinging head from side to side descended into busk, not heard singing. another heard far in distance on same still hill down langor. all these observations taking place at base of hellsede (photo # 284) Seems to be only one in this vicinity. One heard singing 3 min. stop Voshua 150 yds across earyon. Lame one?



l. aldrich

Costa Hummingliss 1 mi. S.W. Kessler Apringe, 4500 ft., San Bernardino Co, Calif. Stopped to photograph teactus & found lasta nest + 2 eggs about 8' up, placed atap dead remains of Joshua blossom. Next same Color as dead blossom & sexembled same very much in eppearance. I only seen and sue wasn't atall wary. When lot opprashed Ale flusied when I was about 3' suray Thus hing distance became moster & shorter till & could put my hand slawly within 4" before she would flust. When she did flust, and is I should put my rund on the next she would peck at my finger. Bell on down side covered to lase with yellow paller Next shatel by green varies leaves 5 above nest. Favorité perchess are uppermont les of Juca balenta where she may perch 5 minutes, scratching & preening. Notes given by I Costa are nothing like allen, Rupous, or anna. Note is higher petched, always. solitary, and Auton much more musical and metallic, not stacatta as in above mentioned species. Tood plants about are Saint Brush J. baccata blassoms, and some other bright orange species probably a mallow. When disturbed & would flush about 5 times flushed



by slightly moving hand 3 away and then retire about 5 minutes to gucea perches. Could always tell when she was returning by the "tink" nate . Samueled more like Desert & passour note. Fin flight seems to made less hum than above mentioned splices, Though would fall camera & As assadside & hate were difficult. Nest constructed of bits of seales of portions of Jasius petals (dued), time bets of films ( Arobabably decayed varies leaves), several large feathers on the sim tinterior, and all densely well tagether by spides wells. Keming of Joshua wason on which next placed, had some sur extranous Apides wells over it probably misplaced by bisd. approach to next always Imade indirectly by fletting three Joshua limbs 10' away before landing. Notes solitary, when approaching given about average every 4 seconds (may not give any). In flight I did much flitting of Tail showing large white areas.



Coetus Woodpicker 2Mi. INVE Cema, 4100 ft, San Bernardine Co, Calif. May 16, 1938 Observed two Castus Waadpeakers Today. One was watched about is hr. Apin't most of that have degging in Jashua Tree, Sugar live as well as dead limbs & sexea tod constantly. May have been because it was aware of my presence. Occasionally would dig on a Certain spot of them fly to a limb another side of thee & peak a few times, then come wack to original place. All degging was done an that part of Joshua without leave Oceasianally would give note very similar to downy, but seemingly stat so emphatic or metallic; was sugater lower pitched to I probable approximates more masly the bairy note trobably was the & as entire back part of heat was Crimson sed. Examined workings & pound small form places not over & dies Vater on observed one to fly from Joshuas (giving nate in flight) to bose of 4 high besouched Dountid parryie (?). Here to base Of coetus within 6 "of ground where was woody

+lacked thoms. Woodsplapace was limited

and so revolved around instead of up & down



after probing on this are, blow to another 20 gds. away & Elid same thing. passed up the smaller ones inbetween that had no woody base but was entirely covered with thorns. Ocasionally gave, check note. (Sowny or Juny note & chink ) Examined workings & found bud had probed in the spaces between the weaky vascular bundles & sail in the hast nortian Cactus Woodseckers in this segue are not common. I have found but one hale in Vashue & him may have veen made by woodpecter. Indday of Continual walking in Josephua josest one might see as hear 3 to 6 medividuals.

	•	

E. aldick

2 mi. NNE Cima, 4100 fl., San Bernardina Co., Calif.
May 15,1938

This marning observed actions of pair of this species about a next + 4 ying inside a diserted a hack + (see photographic notes for description and minimum Birds seemed very smart as + earlant bede from them any place in the shark. They had within thru the windows. When perch warn't near they would hover beside a window and look inside constantly giving the plantine solitary call. One of the Lindwideal seemed less solicitous than the other, Jug, are about to grown with valy beatless out of wheather to prove with valy beatless out proch nearly but one bird would only attempt to perch on the release thread.



[ Hoxostoma fendirec ] Oreoscoptes montanus

Sage Thrasher 2 mi. NNE Cima, 4100 ft. San Bernar dros Cal. May 151938 Found nost of Aage Thrasher in Countra ranousoima ou idge uf Clearing in Joshua forest. Both parents about with food in bell, Nest contains 4 young about ready to leave; next measurements will be taken later, Vasento come as close as 50 ft, and give Chucking notes and a valetay note similar to that of West Bluebird, but with slightly longer duration and slightly quavering, Jug. Show no reaction to parents notes. Will photograph later May 16/1938 Went to nest found gesterday and all yng sull in next, Came back and I his later found 2 yng, in nest; Others were mear about and adults exected. Another left at my approach and got away . Fast one was the

sent and nearly dead probably from lack of food (specimen). Lee Photographic notes + for

measurements.

E. Oldsich

## Shrike

2 mi. NIVE Cina, 4100 ft., San Bernardino Co., Colif. May 14, 1938 10:40 AM. Was attracted by the singing buyy type of song Characteristic of souls and noticed a shill perched on the dried remains of a terminal bloosom. Gird seemed somewhat perturbed, but wouldn't allow on approach Closer Than boyds. Noticed an expecially dense but short forhus and looked inside, Law about 4 defferent north of two different knide, and andy one looked osesh. With some defectely reached the new one and found it emply bulled out some of the lines I shound abundant feather seales indicating fladged bists, Next seemed of right consistency for small want small bulky outerdays of stielery dried twigo gradually reducing in sun to the lining consisting of Sorts of Cow hair, selebit fir, wood, paper, Sott. am catain wasn't Knigleid, or ashthroated Fly cateber, Midnit seem bulke enough for throsher Loon stail

E. allariete

another shrik and shat it, shribes
in this region aren't very common
and seem to be sestricted to a
clefinite area more so than scott
Oriols, Kinglinds, Ish-t. Fluctibers.
Delarionally there will flyour comp
but never sow a shribe. If you
go to on area where seem siriles before,
regardless of mising (?), will so be there.



E. Alanch

## Scott Oriole

2 mi. NNE Cima, 4100 ft, Son Bernardino Co, Calif. May 14,1938 10:30 collected a male from top of fashua tel (skinned by arvey). Was first attracted by its song seventhing a mendowlark with lass gutteral geedsty and of shorter duration; Wasn't as load and lacked the smoothness. Had difficulty in shooting it as wouldn't allow close approach and even when not disturbed would stay only short time in one tree there fly perhaps 50 or 60 gds to another. His plumage was distinctly adult male in Character, but seemed quite worn. Saw three others (28, 19) flying and Atopping in some monner as above. all three were never farther apart than one fashua (about 20yes). One I was seen to alight on top of love, large group of cache (singe = to workfule) (see photographic notes # 38-100) and apparently pick 5 time something from the center of a large flower 2 or 3" in did. Many insuets are attracted by these evenly speed caeli, sa perhaps is attraction. They were hurd to give some chiping notes



2. J. Jull

Sparrow and a note similar to the long aaak of a magpie. Inderports of Joshua limbe were searched for all day but no nexts seen.

i. The Scott Oriole in this segion is not very conamon and walking about all day may not glonces at only one to three individuals.



E Oldrich

## Desert Sparrow

2 mi. NNE Cima, 4100 ft., San Bernardens Co., Calif May 13, 1938 9:15 - National bish carrying nesting material and went to wish (sp. ) where last seen. found a next lescription later) about 3rds Completed Con hear other less sparrows singing about 40 yds away. One 15' also diad los hua singing: tree-tree-teelledledle the Ind-note higher is wit & song ending in more or is washing till am now within be kind leush 20 yds away from nest. Birds seem to rave lift area since my entrace. Have seen lately near camp one bird 2,000 another, then immediately bly atop bush or tree and sing. This may indicate a territory. Next Description. Rim of next -Outside dia of nest including all twigs Inside dipth " dia. (round) \_ \_ \_ \_ \_ 5 cm Mest in center of bush, made entirely of dry grass and the interior is of sheddled grass. Hist interior still rough.



E Aldrich 1938

11:30 AM. - Saw 2 Short Sparsows Copulating. I perchet atop branch of huse about 5" think. She had first flows there, was followed by 3 who mounted for 4 sice., left, I fluttered wings, flow simmedathy afterwords and let on grower and fluttered vings. I sell away paid no attention. Tast high pitered chipping motes given through posteries.

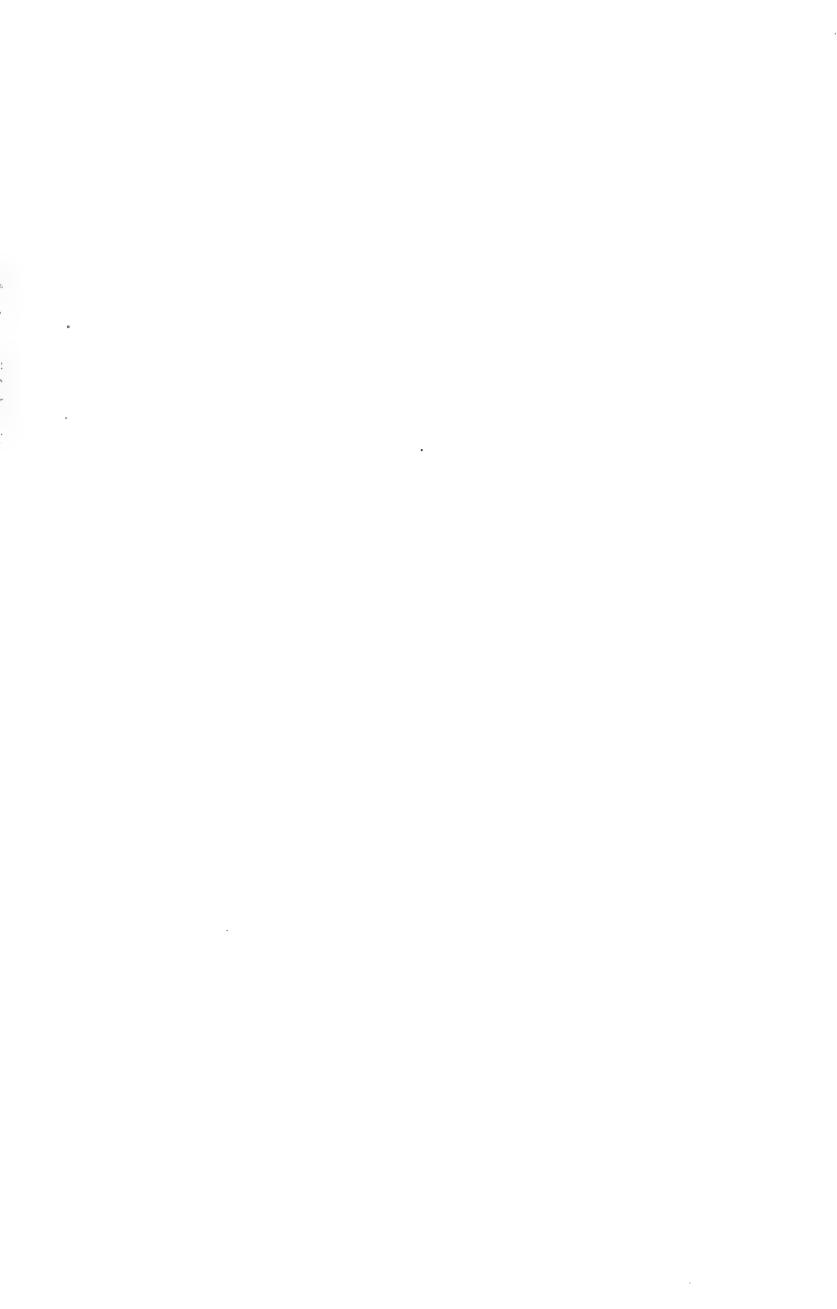
May 15, 1938 Season of Sevent spersoure apparently is varied amongst individuals. 2 days ago arvey found next that had 3 yng & grown (Eaten by Red Raler). The two nests that I am watching arent as get completed, But it are welling 30 gds. of comp and as far apart, Vests have lining nearly comparted Males (?) are setill singing actors bushes or Voshuas. When Haking Census in afternoon found this species to be the most abundant speices with Timete Ind. all (nearly) west deserted passows were in pairs with individuals being never farther apart than 1040. A few of the single individuals may have had mater fasther distant, however.



Found nest + legg mear camp, Birds not around

May 19, 1938
Nest found May 17 now has 3 eggs. Mest found
May 13 now has two eggs.

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